

**SOLAR BLDC**  
PUMPING SOLUTIONS

**Uratom**<sup>®</sup>  
ePower Pvt. Ltd.

**GOLD STAR**<sup>®</sup>  
VENTURES



Lifting Water,  
Growing Life



**Hiramrut**  
Serving Solar Industry Since 1984

# “ SAVE WATER WITH THE POWER OF SUN

Water is the most important and valuable natural resource on Earth. It sustains all life. There is no life without water. Water is not only important for human beings but for the entire ecosystem. Without enough water, the existence of humans, as well as animals, is next to impossible. After fresh air, water is the second most important natural resource for the survival of any living being.





## WHO WE ARE ?

Uratom Solar is working on 'Renewable Energy' field since 1984, having more than 41 years of rich experience in solar solutions, "Hiramrut Group" is back with innovative products with impactful name (URATOM) Yes, Uratom EPower Pvt. Ltd. (UEPL) – AN ISO 9001: 2015 5 ISO 14001 certified company. Is one of the largest manufacturer in Gujarat for eco-friendly & pollution free renewable energy products like Solar water pump systems ,solar panel, electric bicycles,on grid windmills,solar floor mills UEPL is committed to manufacturer of quality, reliable, long life solar products for clean & green environment for next generation.

Uratom EPower Pvt. Ltd. Having a large working area of 18,210 Sq. Mtr., with automation well equipped factory premises, latest tools, technically perfect machineries, extremely qualified and technically sound engineers for well drawings and designs and having more than 75 qualified & well trained staff for marketing and services.

Having state-of -art production line supported by in-house research and development , UEPL ensure high quality with higher efficiency solar products for domestic, commercial as well a industrial purpose. Also Uratom Rooftop Inverters are widely used in India. Production, drawing & designing is prepared and finalized under stringent supervision of qualified engineers.

Uratom have all MNRE approved solar pumps One of the prestigious project have done with joint coloration of German & Indian Govt. at Leh for space heating. Where solar energy store and make space heated at night hours.

Uratom are approved by MNRE as a channel partner for solar water pumping systems Solar Water Heater, Solar Rooftop and Solar Cooker Company have Four branches in India at Ahmedabad, Aurangabad, Roorkee & Durgapur. Uratom has wide dealer network in Gujarat, Rajasthan, Maharashtra, Chhattisgarh, Madhya Pradesh, Karnataka, Andhra Pradesh, Delhi, Haryana, Himachal Pradesh, Punjab and Jammu & Kashmir & West Bengal.



## **I OUR MISSION**

We intend to promote use of solar energy by...

- Developing and delivering innovative solar solutions.
- Making the solutions accessible, viable and affordable.
- Achieving and enhancing complete customer satisfactions.

## **I OUR VISION**

Creating sustainable and eco-friendly future for our Mother Earth by optimum use of solar energy.

## **I QUALITY POLICY**

We are committed to achieve customer satisfaction by product quality of solar water heater and solar lighting systems, also committed to minimize adverse impact arising due to products & manufacturing processes on employees & environment.

We are committed to comply our integrated management system as per requirements of international standards & applicable legal requirements.

We will do continual improvement in integrated management system by preventing pollution & fulfilling quality objectives, targets, programs and legal requirements.

## MOTOR DIAMETER IN 3" INCH – CI SOLAR SUBMERSIBLE OIL-COOLED PUMPS – BLDC/PMSM

Cast Iron Type



### DESCRIPTION

Uratom has specially design water-filled 6 pole BLDC/PMSM Cast Iron submersible motor with noryl rotor centrifugal pump and maximum utilization of solar energy during sunny days, BLDC PMSM motor set has 30% higher energy efficiency then conventional ac submersible pump. V3-CI series is suitable for 3.5" or above bore well dia.

- 18 slot 6 pole Patented design
- V3-CI is special design with Cast Iron for longer life
- Use of high grade CRNO stamping for higher efficiency
- Use of NdFeb neodymium magnet with NICKEL and marine grade coating for corrosion free long life
- NEMA motor coupling

### TECHNICAL SPECIFICATION

- Water Filled BLDC/PMSM Motor
- Higher 3150 RPM
- HP Range 0.5 HP to 2.0 HP
- 150 Hz operation

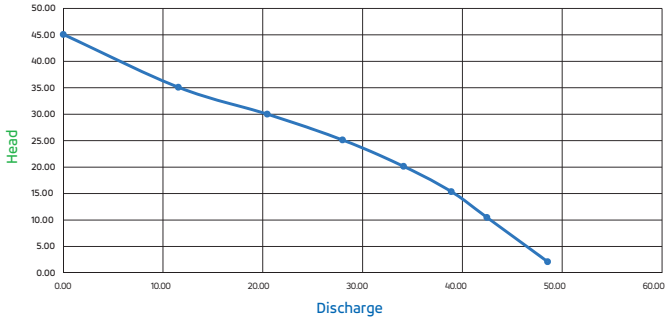
| SR. No. | Motor Diameter in Inch | HP  | Model      | Head in Mtr. | Max Head in Mtr. | Flow Rate in LPM | Outlet in Inch Outlet | Require Power |
|---------|------------------------|-----|------------|--------------|------------------|------------------|-----------------------|---------------|
| 1       | 3"                     | 0.5 | 3CIDUE0530 | 30           | 45               | 21               | 1.5"                  | 600 Wp        |
| 2       | 3"                     | 1.0 | 3CIDUE1030 | 30           | 45               | 32               | 1.5"                  | 1000 Wp       |
| 3       | 3"                     | 1.0 | 3CIDUE1060 | 60           | 90               | 22               | 1.25"                 | 1000 Wp       |
| 4       | 3"                     | 2.0 | 3CIDUE2090 | 90           | 120              | 18               | 1.25"                 | 2000 Wp       |

### MATERIAL DESCRIPTION

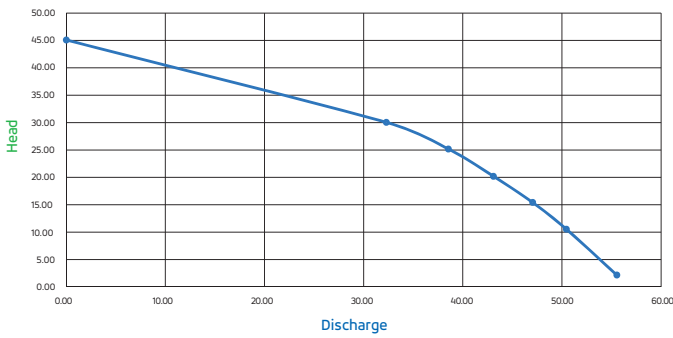
| SR. No. | Parts Name                          | Material        |
|---------|-------------------------------------|-----------------|
| 1       | Motor Base                          | Stainless Steel |
| 2       | Motor Upper Housing & Lower Housing | Casting iron    |
| 3       | Pump N.R.V                          | Casting iron    |
| 4       | Pump Suction                        | Casting iron    |
| 5       | Bowl & Impeller                     | Noryl           |

**MOTOR DIAMETER IN 3" INCH - CI SOLAR SUBMERSIBLE OIL-COOLED PUMPS - BLDC/PMSM**

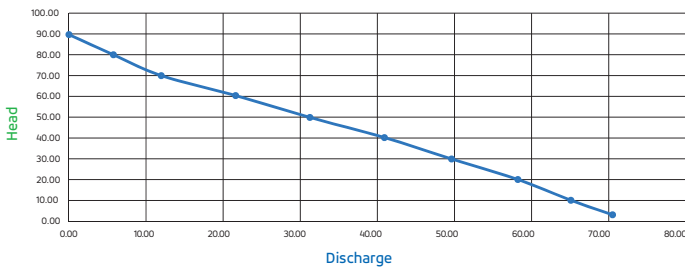
Cast Iron Type



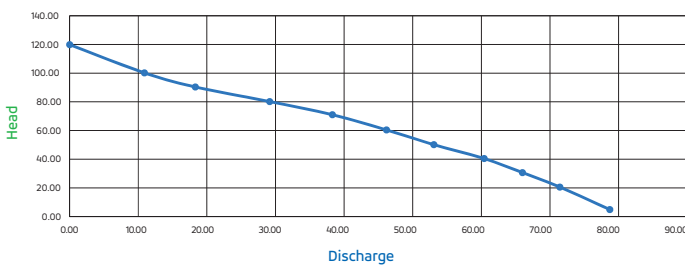
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 3"                     | 0.5 | 45       | 48       | 3CIDUE0530 |



| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 3"                     | 1.0 | 45       | 58       | 3CIDUE1030 |



| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 3"                     | 1.0 | 90       | 71       | 3CIDUE1060 |



| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 3"                     | 2.0 | 120      | 79       | 3CIDUE2090 |

## MOTOR DIAMETER IN 3" INCH – SS SOLAR SUBMERSIBLE OIL-COOLED PUMPS – BLDC/PMSM

Stainless  
Steel Type



### DESCRIPTION

Uratom has specially design oil-filled 6 pole BLDC/PMSM Stainless Steel submersible motor with noryl rotor centrifugal pump and maximum utilization of solar energy during sunny days, BLDC PMSM motor set has 30% higher energy efficiency then conventional ac submersible pump. V3-SS series is suitable for 3.5" or above bore well dia.

- 18 slot 6 pole Patented design
- V3-SS is special design with Stainless Steel for longer life
- Use of high grade CRNO stamping for higher efficiency
- Use of NdFeb neodymium magnet with NICKEL and marine grade coating for corrosion free long life
- NEMA motor coupling

### TECHNICAL SPECIFICATION

- Oil Filled BLDC/PMSM Motor
- Higher 3150 RPM
- HP Range 0.5 HP to 2.0 HP
- 150 Hz operation

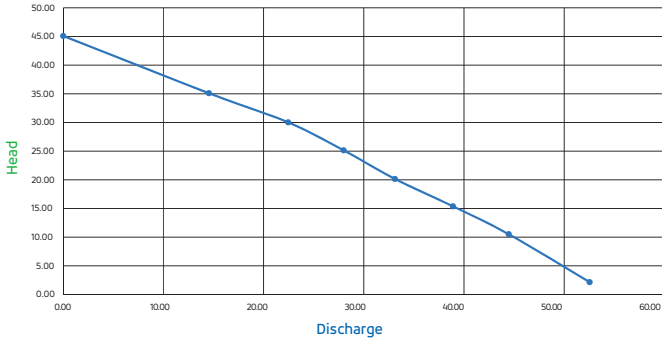
| SR. No. | Motor Diameter in Inch | HP  | Model       | Head in Mtr. | Max Head in Mtr. | Flow Rate in LPM | Outlet in Inch Outlet | Require Power |
|---------|------------------------|-----|-------------|--------------|------------------|------------------|-----------------------|---------------|
| 1       | 3"                     | 0.5 | 3SSODUE0530 | 30           | 45               | 24               | 1.5"                  | 600 Wp        |
| 2       | 3"                     | 1.0 | 3SSODUE1030 | 30           | 45               | 38               | 1.5"                  | 1000 Wp       |
| 3       | 3"                     | 1.0 | 3SSODUE1060 | 60           | 90               | 24               | 1.25"                 | 1000 Wp       |
| 4       | 3"                     | 2.0 | 3SSODUE2090 | 90           | 120              | 21               | 1.25"                 | 2000Wp        |

### MATERIAL DESCRIPTION

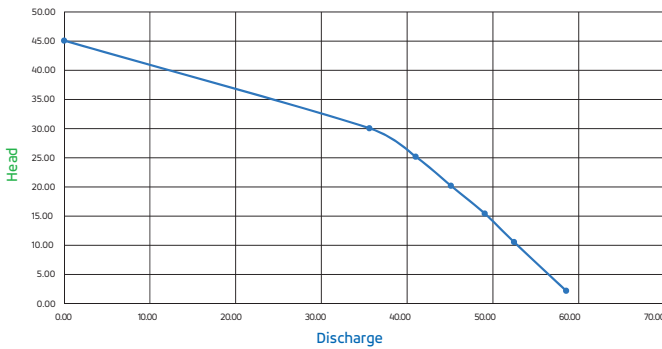
| SR. No. | Parts Name                    | Material        |
|---------|-------------------------------|-----------------|
| 1       | Motor                         | Stainless Steel |
| 2       | Upper Housing & Lower Housing | Stainless Steel |
| 3       | Pump N.R.V & Pump Suction     | Stainless Steel |
| 4       | Bowl & Impeller               | Stainless Steel |

**MOTOR DIAMETER IN 3” INCH – SS SOLAR SUBMERSIBLE OIL-COOLED PUMPS – BLDC/PMSM**

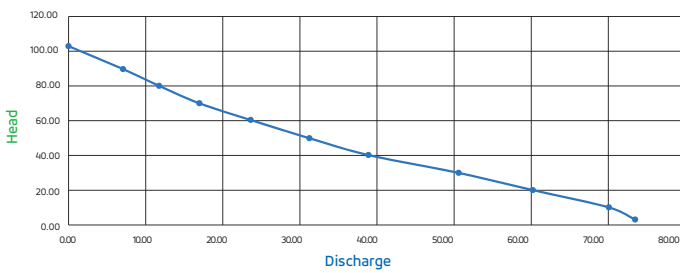
Stainless Steel Type



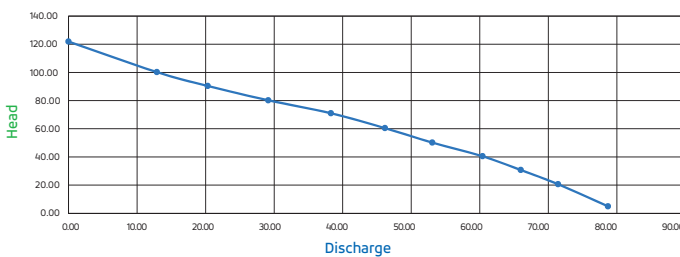
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model       |
|------------------------|-----|----------|----------|-------------|
| 3"                     | 0.5 | 45       | 54       | 3SSODUE0530 |



| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model       |
|------------------------|-----|----------|----------|-------------|
| 3"                     | 1.0 | 45       | 58       | 3SSODUE1030 |



| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model       |
|------------------------|-----|----------|----------|-------------|
| 3"                     | 1.0 | 100      | 74       | 3SSODUE1060 |



| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model       |
|------------------------|-----|----------|----------|-------------|
| 3"                     | 2.0 | 120      | 79       | 3SSODUE2090 |

## MOTOR DIAMETER IN 4" INCH – CI SOLAR SUBMERSIBLE OIL-COOLED PUMPS – BLDC/PMSM

Cast Iron Type



### DESCRIPTION

Uratom has specially design water-filled 6 pole BLDC/PMSM Cast Iron submersible motor and Noryl Bowl Impeller pump with maximum utilization of solar energy during sunny days, BLDC PMSM motor set has 30% higher energy efficiency then conventional ac submersible pump. V4-CI series is suitable for 4.5" or above bore well dia.

- 18 slot 6 pole Patented design
- V4-CI series is special design with Cast Iron for longer life
- Use of high grade CRNO stamping for higher efficiency
- Use of NdFeb neodymium magnet with NICKEL and marine grade coating for corrosion free long life
- NEMA motor coupling

### TECHNICAL SPECIFICATION

- Water Filled BLDC/PMSM Motor
- Higher 3150 RPM
- HP Range 0.25 HP to 3 HP
- Head Range 10m to 130m
- Voltage 36V to 400V Range

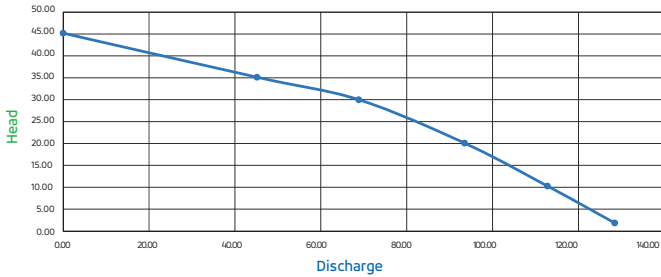
| SR. No. | Motor Diameter in Inch | HP  | Model      | Head in Mtr. | Max Head in Mtr. | Flow Rate in LPM | Outlet in Inch Outlet | Require Power |
|---------|------------------------|-----|------------|--------------|------------------|------------------|-----------------------|---------------|
| 1       | 4"                     | 1.0 | 4CIDUE1030 | 30           | 45               | 68               | 1.5"                  | 1000 Wp       |
| 2       | 4"                     | 1.0 | 4CIDUE1060 | 60           | 80               | 25               | 1.0"                  | 1000 Wp       |
| 3       | 4"                     | 2.0 | 4CIDUE2030 | 30           | 45               | 142              | 2.0"                  | 2000 Wp       |
| 4       | 4"                     | 2.0 | 4CIDUE2050 | 50           | 70               | 82               | 1.5"                  | 2000 Wp       |
| 5       | 4"                     | 2.0 | 4CIDUE2070 | 70           | 100              | 50               | 1.25"                 | 2000 Wp       |
| 6       | 4"                     | 2.0 | 4CIDUE2100 | 100          | 120              | 36               | 1.25"                 | 2000 Wp       |
| 7       | 4"                     | 3.0 | 4CIDUE3030 | 30           | 45               | 240              | 2.0"                  | 3000 Wp       |
| 8       | 4"                     | 3.0 | 4CIDUE3050 | 50           | 70               | 115              | 1.5"                  | 3000 Wp       |
| 9       | 4"                     | 3.0 | 4CIDUE3070 | 70           | 100              | 87               | 1.5"                  | 3000 Wp       |
| 10      | 4"                     | 3.0 | 4CIDUE3100 | 100          | 120              | 58               | 1.25"                 | 3000 Wp       |

### MATERIAL DESCRIPTION

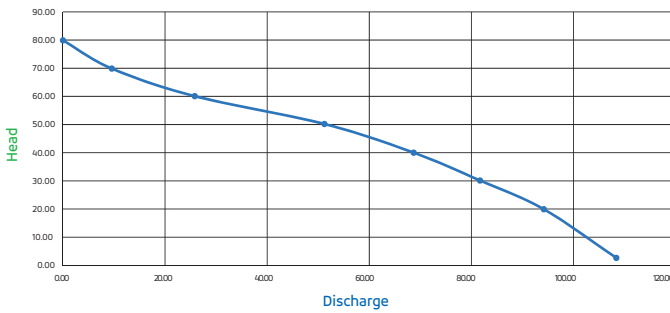
| SR. No. | Parts Name                                | Material     |
|---------|---|--------------|
| 1       | Motor Base, Upper Housing & Lower Housing | Casting iron |
| 2       | Pump N.R.V & Pump Suction                 | Casting iron |
| 3       | Bowl & Impeller                           | Noryl        |

**MOTOR DIAMETER IN 4" INCH - CI SOLAR SUBMERSIBLE OIL-COOLED PUMPS - BLDC/PMSM**

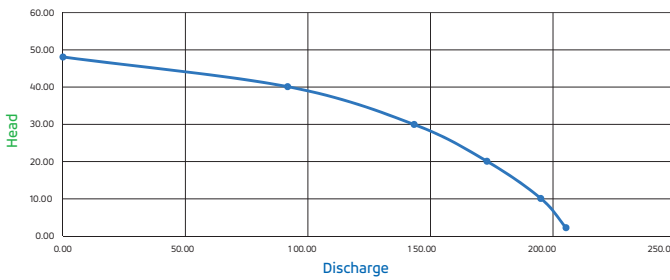
Cast Iron Type



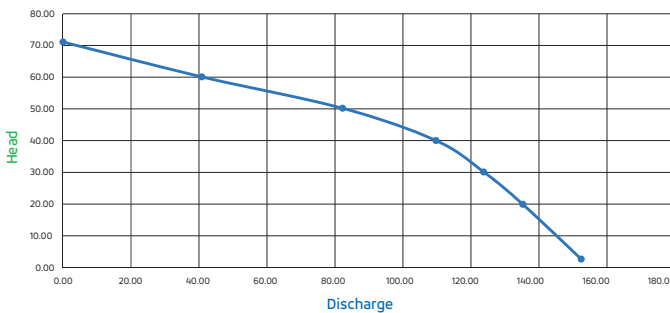
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 4"                     | 1.0 | 45       | 130      | 4CIDUE1030 |



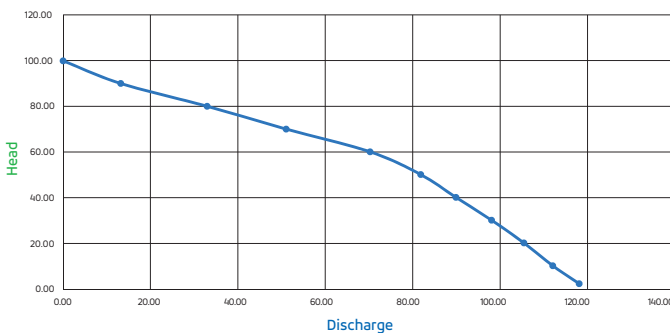
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 4"                     | 1.0 | 80       | 110      | 4CIDUE1060 |



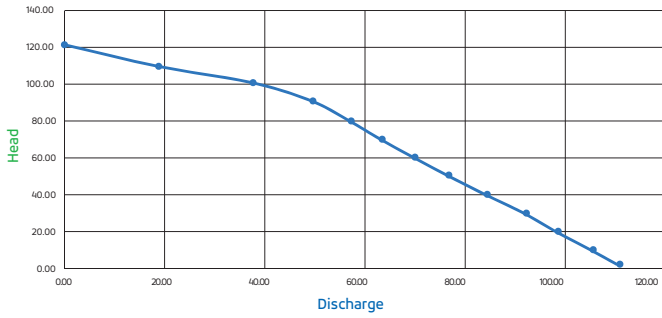
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 4"                     | 2.0 | 58       | 210      | 4CIDUE2030 |



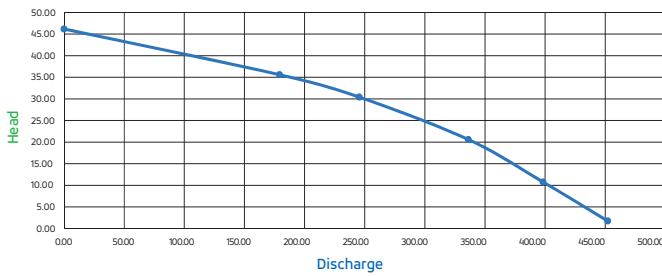
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 4"                     | 2.0 | 70       | 152      | 4CIDUE2050 |



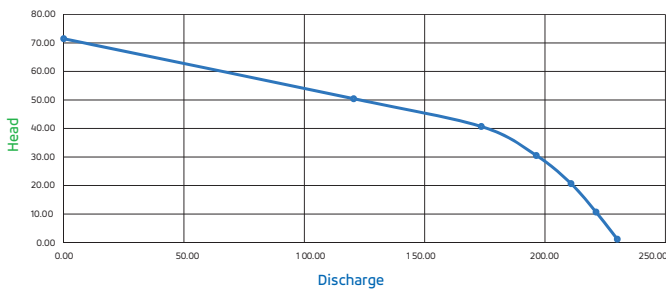
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 4"                     | 2.0 | 100      | 119      | 4CIDUE2070 |



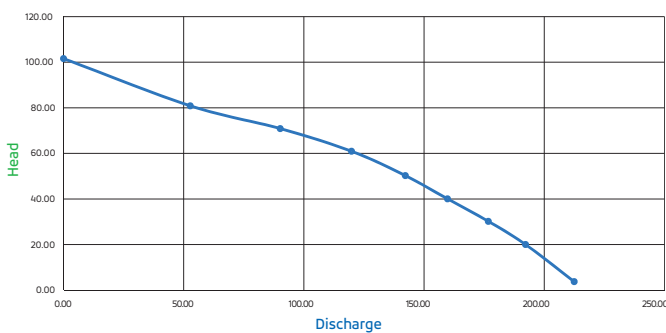
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 4"                     | 2.0 | 120      | 110      | 4CIDUE2100 |



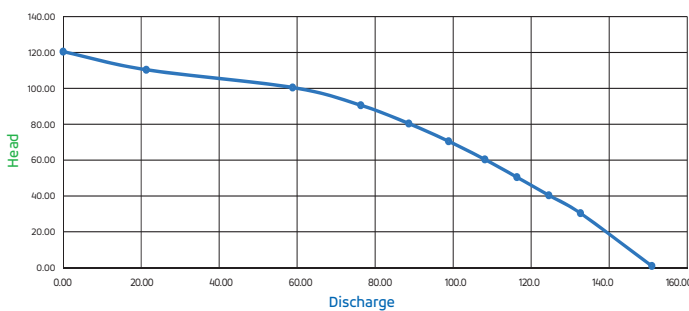
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 4"                     | 3.0 | 46       | 455      | 4CIDUE3030 |



| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 4"                     | 3.0 | 72       | 225      | 4CIDUE3050 |



| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 4"                     | 3.0 | 100      | 220      | 4CIDUE3070 |



| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 4"                     | 3.0 | 120      | 150      | 4CIDUE3100 |

## MOTOR DIAMETER IN 4” INCH – SS SOLAR SUBMERSIBLE OIL-COOLED PUMPS – BLDC/PMSM

Stainless Steel Type



### DESCRIPTION

Uratom has specially design oil-filled 6 pole BLDC/PMSM Stainless Steel submersible motor and Noryl Bowl Impeller pump with maximum utilization of solar energy during sunny days, BLDC PMSM motor set has 30% higher energy efficiency then conventional ac submersible pump. V4-SS series is suitable for 4.5" or above bore well dia.

- 18 slot 6 pole Patented design
- V4-SS series is special design with Stainless Steel for longer life
- Use of high grade CRNO stamping for higher efficiency
- Use of NdFeb neodymium magnet with NICKEL and marine grade coating for corrosion free long life
- NEMA motor coupling

### TECHNICAL SPECIFICATION

- Oil Filled BLDC/PMSM Motor
- Higher 3150 RPM
- HP Range 1 HP to 3 HP
- Head Range 10m to 170m
- Voltage 36V to 400V Range

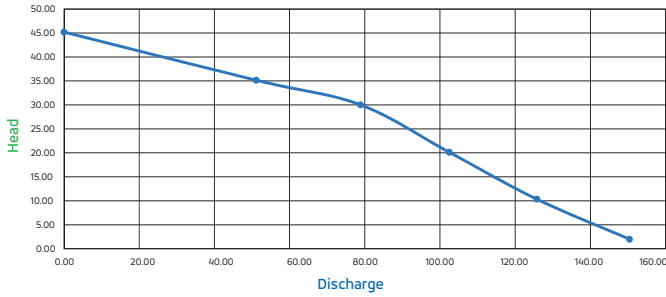
| SR. No. | Motor Diameter in Inch | HP  | Model      | Head in Mtr. | Max Head in Mtr. | Flow Rate in LPM | Outlet in Inch Outlet | Require Power |
|---------|------------------------|-----|------------|--------------|------------------|------------------|-----------------------|---------------|
| 1       | 4"                     | 1.0 | 4SODUE1030 | 30           | 45               | 76               | 1.25"                 | 1000 Wp       |
| 2       | 4"                     | 1.0 | 4SODUE1060 | 60           | 90               | 28               | 1.0"                  | 1000 Wp       |
| 3       | 4"                     | 1.0 | 4SODUE1090 | 90           | 120              | 14               | 1.0"                  | 1000 Wp       |
| 4       | 4"                     | 2.0 | 4SODUE2030 | 30           | 45               | 156              | 2.0"                  | 2000 Wp       |
| 5       | 4"                     | 2.0 | 4SODUE2050 | 50           | 70               | 93               | 1.25"                 | 2000 Wp       |
| 6       | 4"                     | 2.0 | 4SODUE2070 | 70           | 100              | 55               | 1.25"                 | 2000 Wp       |
| 7       | 4"                     | 2.0 | 4SODUE2100 | 100          | 120              | 48               | 1.25"                 | 2000 Wp       |
| 8       | 4"                     | 2.0 | 4SODUE2120 | 120          | 150              | 32               | 1.25"                 | 2000 Wp       |
| 9       | 4"                     | 2.0 | 4SODUE2150 | 150          | 200              | 23               | 1"                    | 2000 Wp       |
| 10      | 4"                     | 3.0 | 4SODUE3030 | 30           | 45               | 271              | 2.5"                  | 3000 Wp       |
| 11      | 4"                     | 3.0 | 4SODUE3050 | 50           | 70               | 150              | 1.5"                  | 3000 Wp       |
| 12      | 4"                     | 3.0 | 4SODUE3070 | 70           | 100              | 107              | 1.5"                  | 3000 Wp       |
| 13      | 4"                     | 3.0 | 4SODUE3100 | 100          | 120              | 75               | 1.25"                 | 3000 Wp       |
| 14      | 4"                     | 3.0 | 4SODUE3120 | 120          | 180              | 67               | 1.25"                 | 3000 Wp       |
| 15      | 4"                     | 3.0 | 4SODUE3150 | 150          | 200              | 45               | 1.25"                 | 3000 Wp       |
| 16      | 4"                     | 3.0 | 4SODUE3170 | 170          | 220              | 33               | 1.25"                 | 3000 Wp       |

### MATERIAL DESCRIPTION

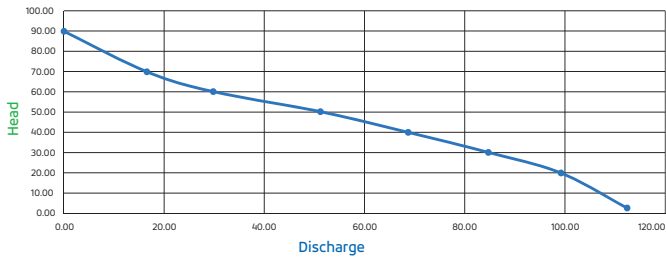
| SR. No. | Parts Name                    | Material        |
|---------|-------------------------------|-----------------|
| 1       | Motor                         | Stainless Steel |
| 2       | Upper Housing & Lower Housing | Stainless Steel |
| 3       | Pump N.R.V & Pump Suction     | Stainless Steel |
| 4       | Bowl & Impeller               | Stainless Steel |

## MOTOR DIAMETER IN 4" INCH - SS SOLAR SUBMERSIBLE OIL-COOLED PUMPS - BLDC/PMSM

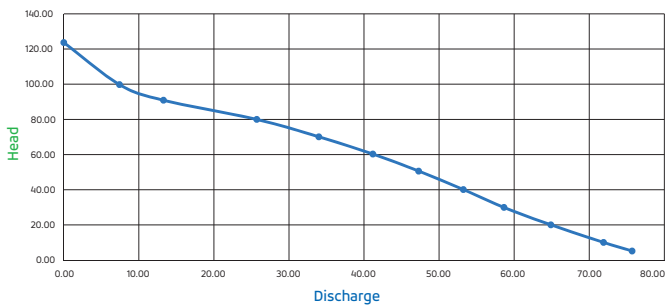
Stainless Steel Type



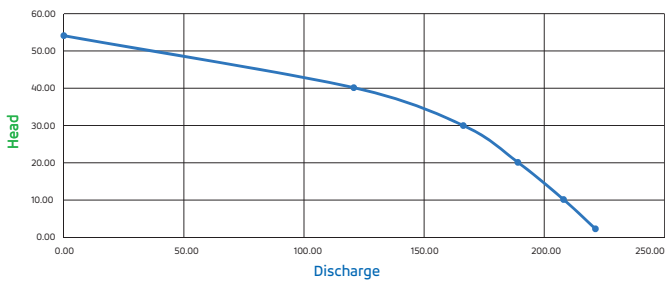
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 4"                     | 1.0 | 45       | 150      | 4SODUE1030 |



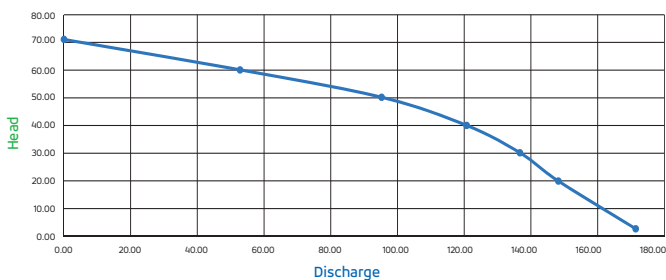
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 4"                     | 1.0 | 90       | 110      | 4SODUE1060 |



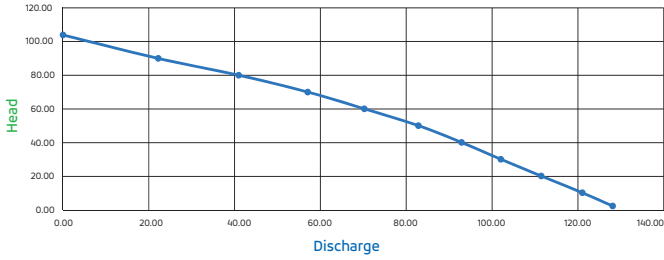
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 4"                     | 1.0 | 120      | 75       | 4SODUE1090 |



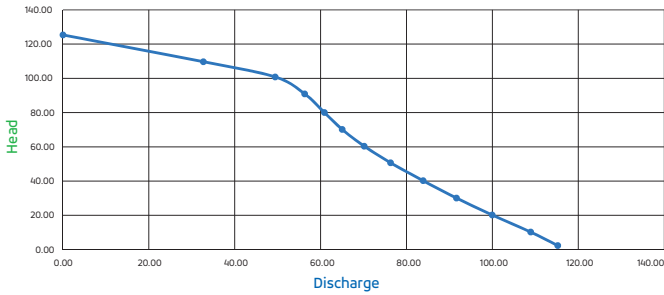
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 4"                     | 2.0 | 55       | 225      | 4SODUE2030 |



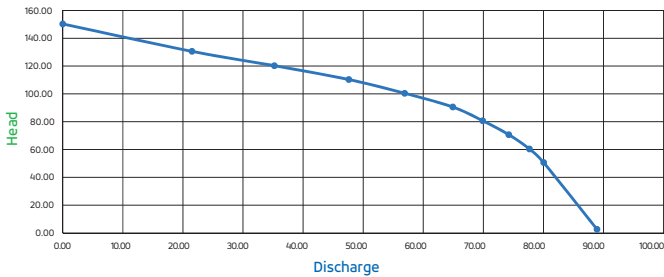
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 4"                     | 2.0 | 70       | 170      | 4SODUE2050 |



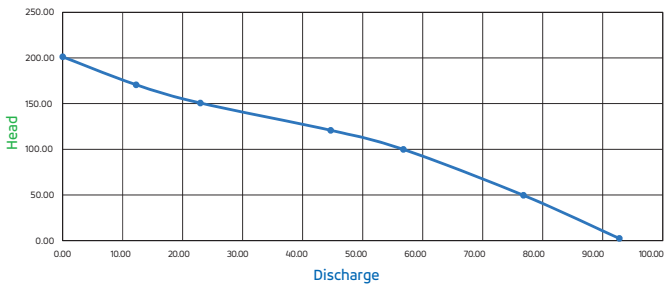
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 4"                     | 2.0 | 100      | 130      | 4SODUE2070 |



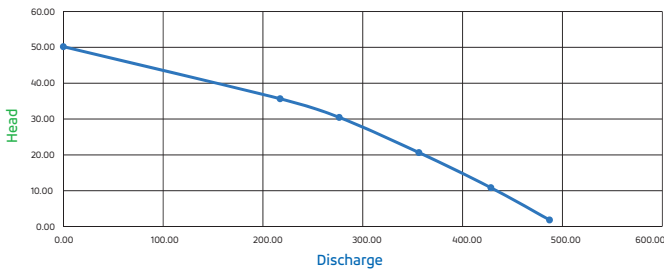
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 4"                     | 2.0 | 120      | 115      | 4SODUE2100 |



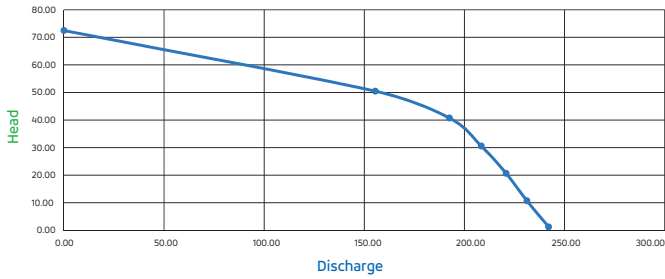
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 4"                     | 2.0 | 145      | 89       | 4SODUE2120 |



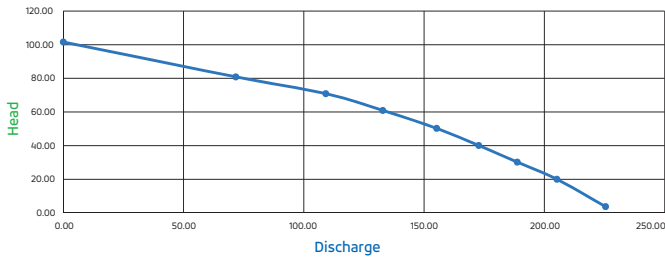
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 4"                     | 2.0 | 200      | 92       | 4SODUE2150 |



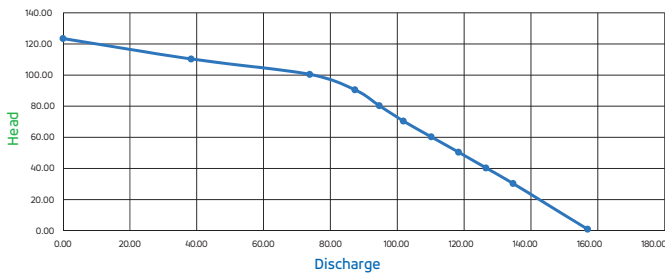
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 4"                     | 3.0 | 50       | 448      | 4SODUE3030 |



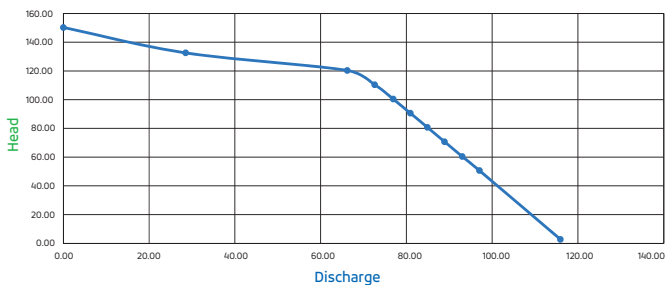
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 4"                     | 3.0 | 72       | 245      | 4SODUE3050 |



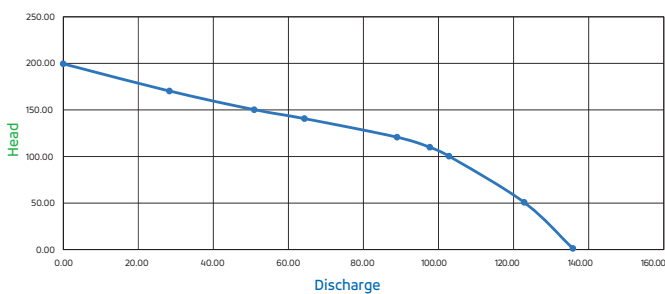
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 4"                     | 3.0 | 100      | 225      | 4SODUE3070 |



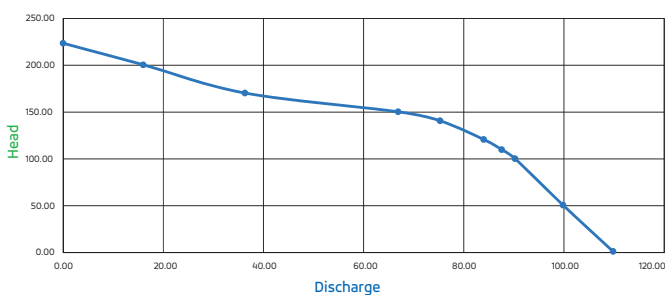
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 4"                     | 3.0 | 122      | 158      | 4SODUE3100 |



| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 4"                     | 3.0 | 150      | 115      | 4SODUE3120 |



| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 4"                     | 3.0 | 200      | 138      | 4SODUE3150 |



| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 4"                     | 3.0 | 225      | 110      | 4SODUE3170 |

**MOTOR DIAMETER IN 4” INCH – SS DC SOLAR SUBMERSIBLE PUMPS WATER COOLED – BLDC/PMSM**

Stainless Steel Type



**DESCRIPTION**

Uratom has specially design water-filled 6 pole BLDC/PMSM Stainless Steel submersible motor and Fabricated Bowl Impeller pump with maximum utilization of solar energy during sunny days, BLDC PMSM motor set has 30% higher energy efficiency then conventional ac submersible pump. V4-SS series is suitable for 4.5" or above bore well dia.

- 18 slot 6 pole Patented design
- V4-SS series is special design with Stainless Steel for longer life
- Use of high grade CRNO stamping for higher efficiency
- Use of NdFeb neodymium magnet with NICKEL and marine grade coating for corrosion free long life
- NEMA motor coupling

**TECHNICAL SPECIFICATION**

- Water Filled BLDC/PMSM Motor
- Higher 3150 RPM
- HP Range 0.25 HP to 5 HP
- Head Range 10m to 200m
- Voltage 36V to 600V Range

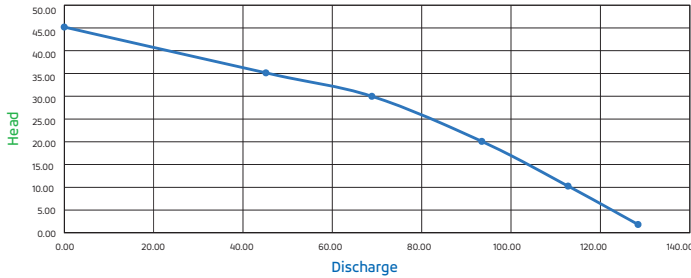
| SR. No. | Motor Diameter in Inch | HP | Model     | Head in Mtr. | Max Head in Mtr. | Flow Rate In LPM | Outlet | Require Power |
|---------|------------------------|----|-----------|--------------|------------------|------------------|--------|---------------|
| 1       | 4"                     | 1  | 4SDUE1030 | 30 M         | 45 M             | 76               | 1.25"  | 1000 Wp       |
| 2       | 4"                     | 1  | 4SDUE1060 | 60 M         | 90 M             | 28               | 1.25"  | 1000 Wp       |
| 3       | 4"                     | 1  | 4SDUE1090 | 90 M         | 120 M            | 14               | 1.25"  | 1000 Wp       |
| 4       | 4"                     | 2  | 4SDUE2030 | 30 M         | 45 M             | 156              | 2"     | 2000 Wp       |
| 5       | 4"                     | 2  | 4SDUE2050 | 50 M         | 70 M             | 93               | 1.25"  | 2000 Wp       |
| 6       | 4"                     | 2  | 4SDUE2070 | 70 M         | 100 M            | 55               | 1.25"  | 2000 Wp       |
| 7       | 4"                     | 2  | 4SDUE2100 | 100 M        | 120 M            | 48               | 1.25"  | 2000 Wp       |
| 8       | 4"                     | 2  | 4SDUE2120 | 120 M        | 150 M            | 32               | 1.25"  | 2000 Wp       |
| 9       | 4"                     | 2  | 4SDUE2150 | 150 M        | 200 M            | 23               | 1"     | 2000 Wp       |
| 10      | 4"                     | 3  | 4SDUE3030 | 30 M         | 45 M             | 271              | 2.5"   | 3000 Wp       |
| 11      | 4"                     | 3  | 4SDUE3050 | 50 M         | 70 M             | 150              | 2"     | 3000 Wp       |
| 12      | 4"                     | 3  | 4SDUE3070 | 70 M         | 100 M            | 107              | 2"     | 3000 Wp       |
| 13      | 4"                     | 3  | 4SDUE3100 | 100 M        | 120 M            | 75               | 1.25"  | 3000 Wp       |
| 14      | 4"                     | 3  | 4SDUE3120 | 120 M        | 150 M            | 67               | 1.25"  | 3000 Wp       |
| 15      | 4"                     | 3  | 4SDUE3150 | 150 M        | 200 M            | 45               | 1.25"  | 3000 Wp       |
| 16      | 4"                     | 3  | 4SDUE3170 | 170 M        | 220 M            | 33               | 1.25"  | 3000 Wp       |
| 17      | 4"                     | 5  | 4SDUE5030 | 30 M         | 45 M             | 434              | 3"     | 5000 Wp       |
| 18      | 4"                     | 5  | 4SDUE5050 | 50 M         | 70 M             | 230              | 2.5"   | 5000 Wp       |
| 19      | 4"                     | 5  | 4SDUE5070 | 70 M         | 100 M            | 171              | 2"     | 5000 Wp       |
| 20      | 4"                     | 5  | 4SDUE5100 | 100 M        | 120 M            | 120              | 1.25"  | 5000 Wp       |
| 21      | 4"                     | 5  | 4SDUE5120 | 120 M        | 150 M            | 85               | 1.25"  | 5000 Wp       |
| 22      | 4"                     | 5  | 4SDUE5150 | 150 M        | 200 M            | 62               | 1.25"  | 5000 Wp       |
| 23      | 4"                     | 5  | 4SDUE5200 | 200 M        | 250 M            | 51               | 1.25"  | 5000 Wp       |

**MATERIAL DESCRIPTION**

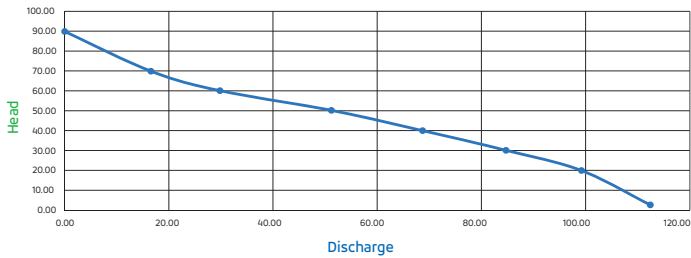
| SR. No. | Parts Name                                | Material        |
|---------|---|-----------------|
| 1       | Motor Base, Upper Housing & Lower Housing | Stainless Steel |
| 2       | Pump N.R.V & Pump Suction                 | Stainless Steel |
| 3       | Bowl & Impeller                           | SS304           |

## MOTOR DIAMETER IN 4" INCH - SS DC SOLAR SUBMERSIBLE PUMPS WATER COOLED - BLDC/PMSM

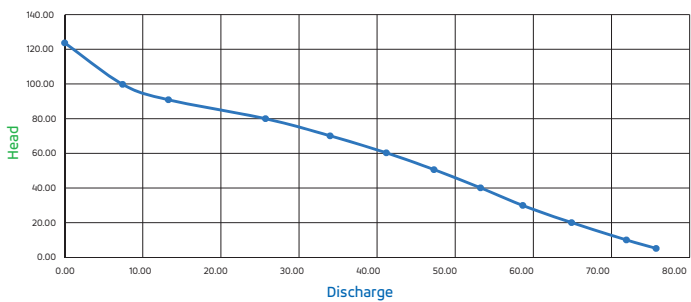
Stainless  
Steel Type



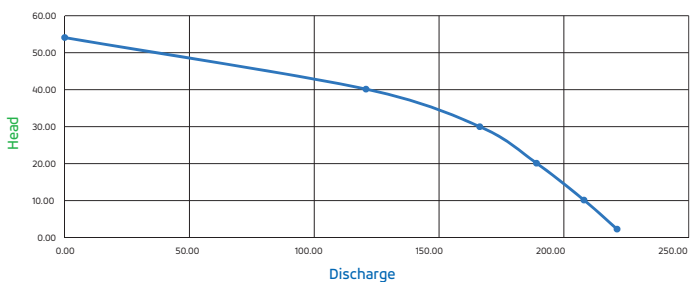
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 4"                     | 1.0 | 45       | 130      | 4SDUE1030 |



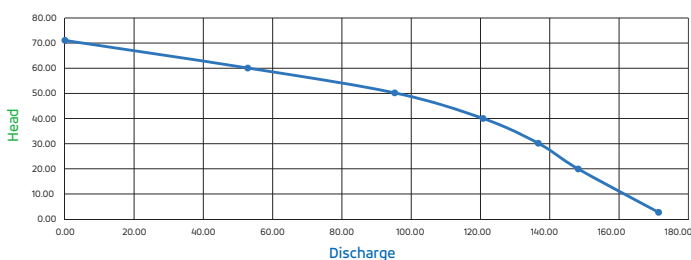
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 4"                     | 1.0 | 90       | 110      | 4SDUE1060 |



| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 4"                     | 1.0 | 122      | 75       | 4SDUE1090 |



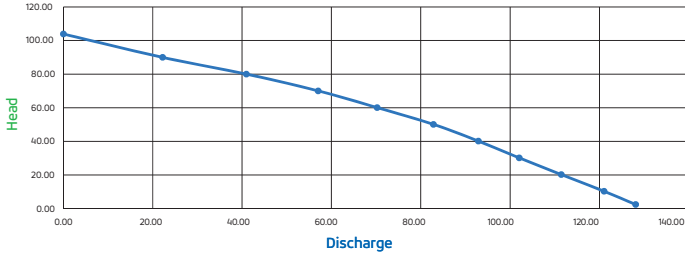
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 4"                     | 2.0 | 55       | 225      | 4SDUE2030 |



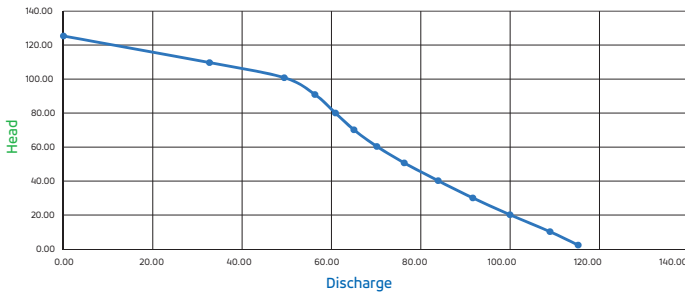
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 4"                     | 2.0 | 70       | 170      | 4SDUE2050 |

**MOTOR DIAMETER IN 4" INCH - SS DC SOLAR SUBMERSIBLE PUMPS WATER COOLED - BLDC/PMSM**

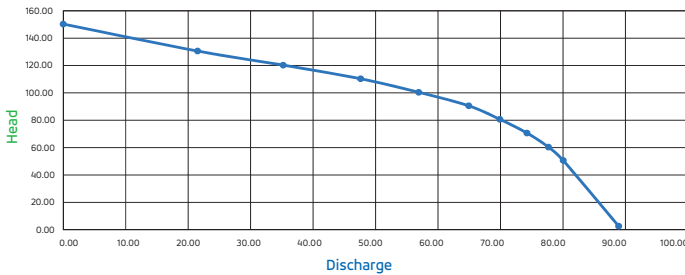
Stainless Steel Type



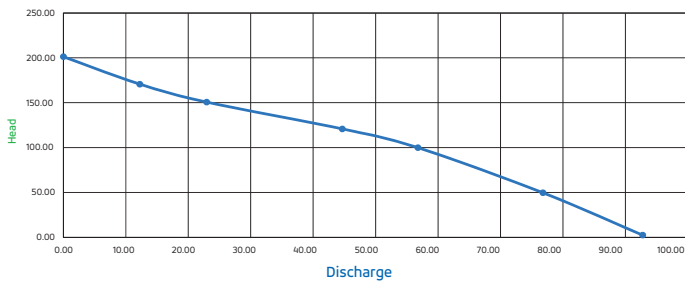
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 4"                     | 1.0 | 105      | 130      | 4SDUE2070 |



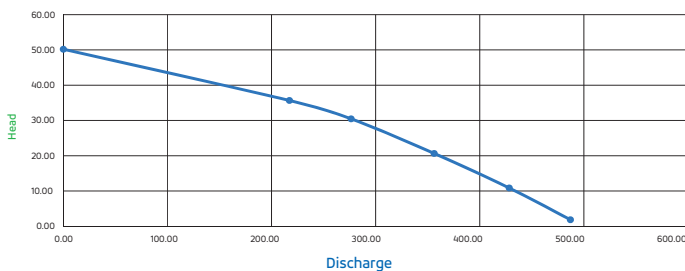
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 4"                     | 1.0 | 122      | 118      | 4SDUE2100 |



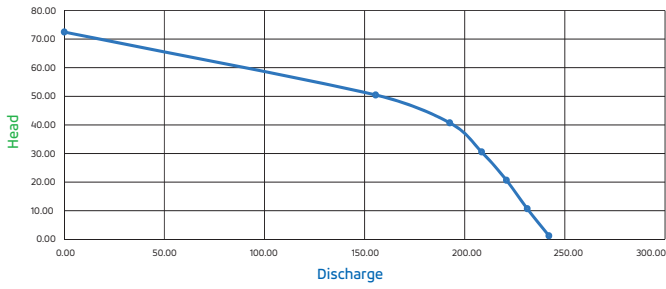
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 4"                     | 1.0 | 122      | 75       | 4SDUE2120 |



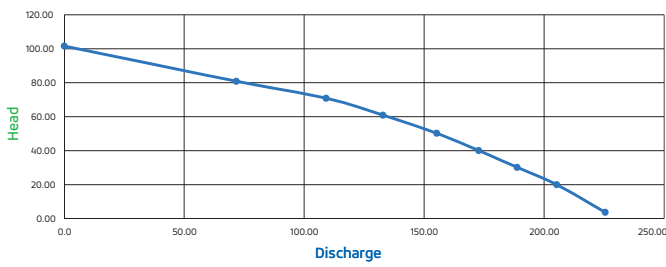
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 4"                     | 2.0 | 200      | 95       | 4SDUE2150 |



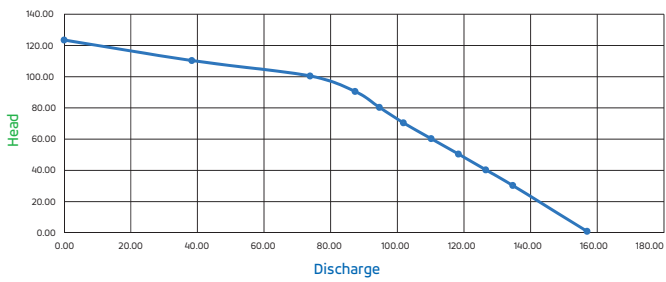
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 4"                     | 3.0 | 50       | 490      | 4SDUE3030 |



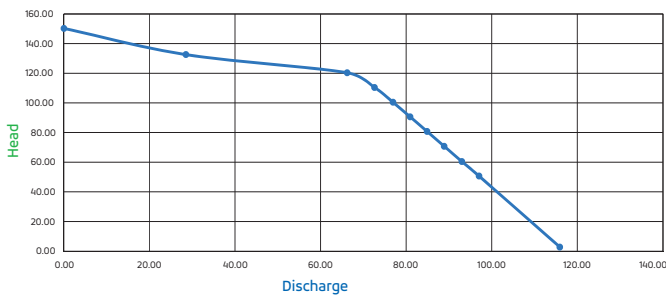
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 4"                     | 3.0 | 74       | 245      | 4SDUE3050 |



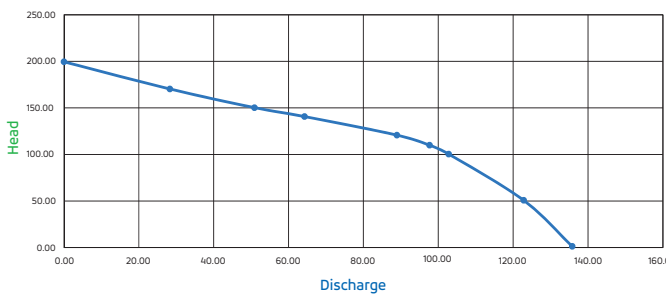
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 4"                     | 3.0 | 100      | 225      | 4SDUE3070 |



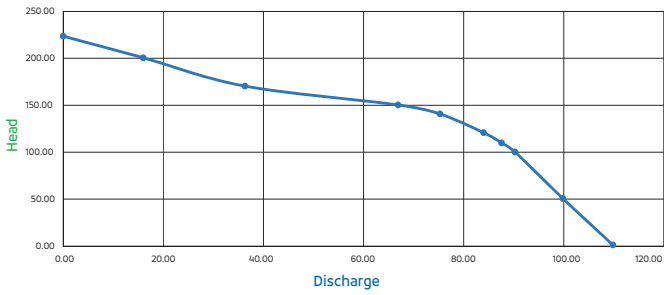
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 4"                     | 3.0 | 120      | 158      | 4SDUE3100 |



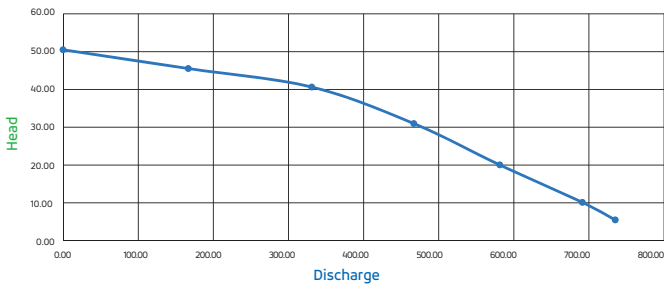
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 4"                     | 3.0 | 150      | 110      | 4SDUE3120 |



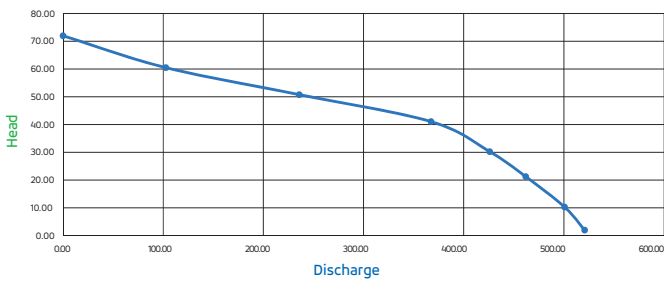
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 4"                     | 3.0 | 200      | 135      | 4SDUE3150 |



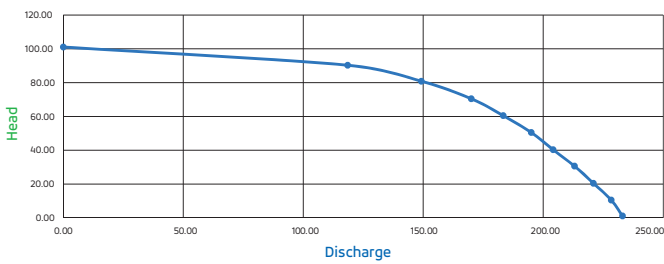
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 4"                     | 3.0 | 225      | 110      | 4SDUE3170 |



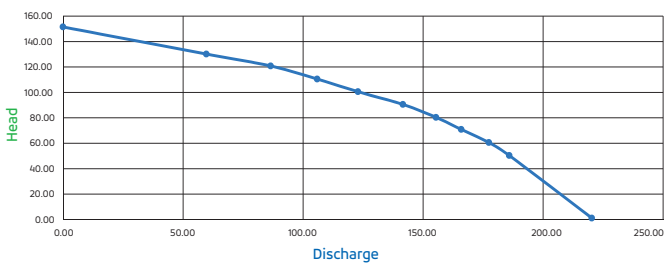
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 4"                     | 5.0 | 50       | 750      | 4SDUE5030 |



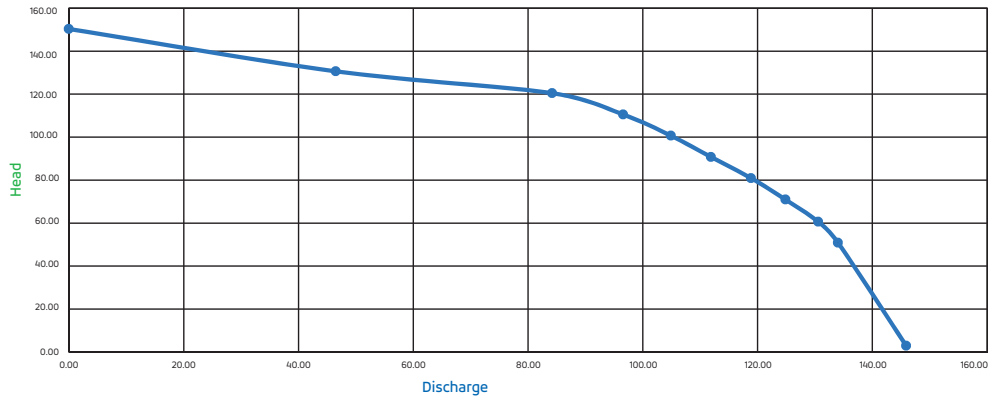
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 4"                     | 5.0 | 72       | 520      | 4SDUE5050 |



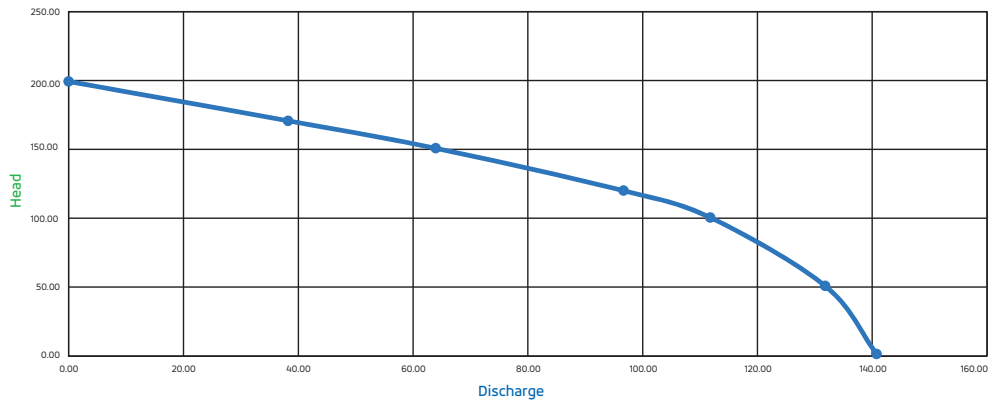
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 4"                     | 5.0 | 100      | 225      | 4SDUE5070 |



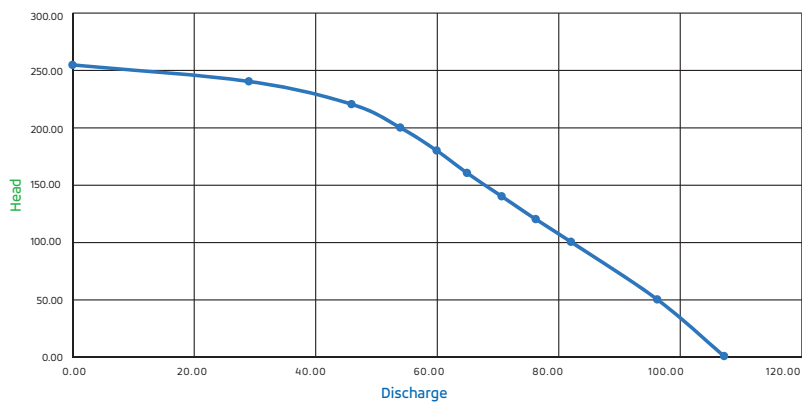
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 4"                     | 5.0 | 150      | 225      | 4SDUE5100 |



| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 4"                     | 5.0 | 150      | 145      | 4SDUE5120 |



| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 4"                     | 5.0 | 200      | 140      | 4SDUE5150 |



| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 4"                     | 5.0 | 250      | 110      | 4SDUE5200 |

## MOTOR DIAMETER IN 4" INCH – SS DC SOLAR HHLV SCREW PUMPS – BLDC/PMSM

Stainless Steel Type



### DESCRIPTION

Uratom has specially design water-filled 6 pole BLDC/PMSM Stainless Steel submersible motor and Helicul Screw with maximum utilization of solar energy during sunny days, BLDC PMSM motor set has 30% higher energy efficiency then conventional ac submersible pump. V4-SS series is suitable for 4.5" or above bore well dia.

- 18 slot 6 pole Patented design
- V4-SS series is special design with Stainless Steel for longer life
- Use of high grade CRNO stamping for higher efficiency
- Use of NdFeb neodymium magnet with NICKEL and marine grade coating for corrosion free long life
- NEMA motor coupling

### TECHNICAL SPECIFICATION

- Water Filled BLDC/PMSM Motor
- Higher 3150 RPM
- HP Range 1 HP & 2 HP
- Head Range 10m to 240m
- Voltage 60V to 150V Range

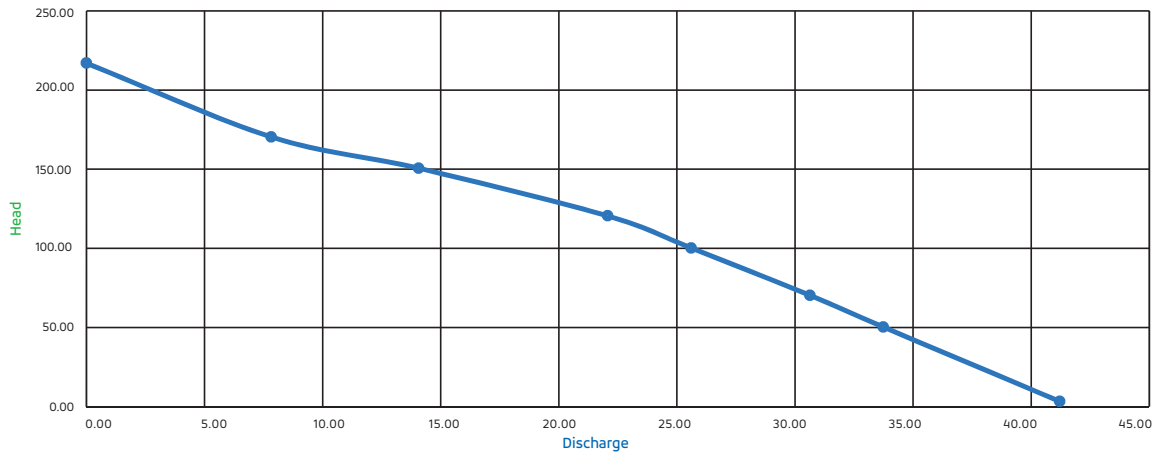
| SR. No. | Motor Diameter in Inch | HP | Model     | Head in Mtr. | Max Head in Mtr. | Flow Rate In LPM | Outlet | Require Power |
|---------|------------------------|----|-----------|--------------|------------------|------------------|--------|---------------|
| 1       | 4"                     | 1  | 4SHUE1120 | 120 M        | 210 M            | 22               | 1.25"  | 1000 Wp       |
| 2       | 4"                     | 2  | 4SHUE2240 | 240 M        | 420 M            | 20               | 1.25"  | 2000 Wp       |

### MATERIAL DESCRIPTION

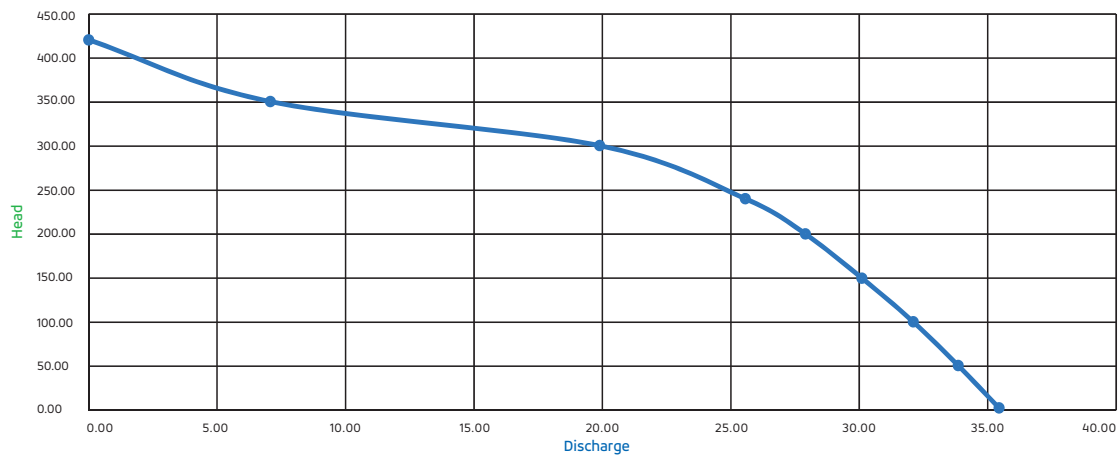
| SR. No. | Parts Name                                | Material        |
|---------|---|-----------------|
| 1       | Motor Base, Upper Housing & Lower Housing | Stainless Steel |
| 2       | Pump N.R.V & Pump Suction                 | Stainless Steel |
| 3       | Helicul Screw                             | SS 304          |

## MOTOR DIAMETER IN 4" INCH - SS DC SOLAR HHLV SCREW PUMPS - BLDC/PMSM

Stainless  
Steel Type



| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 4"                     | 1.0 | 220      | 42       | 4SHUE1120 |



| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 4"                     | 2.0 | 420      | 36       | 4SHUE2240 |

## MOTOR DIAMETER IN 4” INCH – SS AC SOLAR SUBMERSIBLE PUMPS WATER COOLED

Stainless Steel Type



### DESCRIPTION

The 4" AC Solar Pumping Solutions developed by Uratom is solar-powered water pump system that uses a 4" AC asynchronous Motor to drive the 4" pump. The system is designed for use in remote areas where access to grid electricity is limited or non-existent, and where the availability of solar energy is abundant.

- V4-SS series is special design with Stainless Steel for longer life
- Use of high grade CRNO stamping for higher efficiency
- NEMA motor coupling

### TECHNICAL SPECIFICATION

- Water Filled AC Motor
- Higher 3150 RPM
- HP Range 0.25 HP to 5 HP
- Head Range 10m to 130m
- Voltage 36V to 600V Range

| SR. No. | Motor Diameter in Inch | HP | Model     | Head in Mtr. | Max Head in Mtr. | Flow Rate In LPM | Outlet | Require Power |
|---------|------------------------|----|-----------|--------------|------------------|------------------|--------|---------------|
| 1       | 4"                     | 1  | 4SAUE1030 | 30 M         | 45 M             | 71               | 1.25"  | 1000 Wp       |
| 2       | 4"                     | 1  | 4SAUE1060 | 60 M         | 90 M             | 21               | 1.25"  | 1000 Wp       |
| 3       | 4"                     | 1  | 4SAUE1090 | 90 M         | 120 M            | 11               | 1.25"  | 1000 Wp       |
| 4       | 4"                     | 2  | 4SAUE2030 | 30 M         | 45 M             | 144              | 2"     | 2000 Wp       |
| 5       | 4"                     | 2  | 4SAUE2050 | 50 M         | 70 M             | 88               | 1.25"  | 2000 Wp       |
| 6       | 4"                     | 2  | 4SAUE2070 | 70 M         | 100 M            | 50               | 1.25"  | 2000 Wp       |
| 7       | 4"                     | 2  | 4SAUE2100 | 100 M        | 120 M            | 42               | 1.25"  | 2000 Wp       |
| 8       | 4"                     | 3  | 4SAUE3030 | 30 M         | 45 M             | 250              | 2.5"   | 3000 Wp       |
| 9       | 4"                     | 3  | 4SAUE3050 | 50 M         | 70 M             | 142              | 2"     | 3000 Wp       |
| 10      | 4"                     | 3  | 4SAUE3070 | 70 M         | 100 M            | 100              | 2"     | 3000 Wp       |
| 11      | 4"                     | 3  | 4SAUE3100 | 100 M        | 120 M            | 27               | 1.25"  | 3000 Wp       |
| 12      | 4"                     | 5  | 4SAUE5030 | 30 M         | 45 M             | 400              | 3"     | 5000 Wp       |
| 13      | 4"                     | 5  | 4SAUE5050 | 50 M         | 70 M             | 218              | 2.5"   | 5000 Wp       |
| 14      | 4"                     | 5  | 4SAUE5070 | 70 M         | 100 M            | 160              | 2"     | 5000 Wp       |
| 15      | 4"                     | 5  | 4SAUE5100 | 100 M        | 120 M            | 102              | 1.25"  | 5000 Wp       |
| 16      | 4"                     | 5  | 4SAUE5120 | 120 M        | 150 M            | 97               | 1.25"  | 5000 Wp       |

### MATERIAL DESCRIPTION

| SR. No. | Parts Name                                | Material        |
|---------|---|-----------------|
| 1       | Motor Base, Upper Housing & Lower Housing | Stainless Steel |
| 2       | Pump N.R.V & Pump Suction                 | Stainless Steel |
| 3       | Bowl & Impeller                           | SS304           |

## MOTOR DIAMETER IN 6" INCH - SS DC SOLAR SUBMERSIBLE PUMPS WATER COOLED PUMPS - BLDC/PMSM

Stainless  
Steel Type



### DESCRIPTION

Uratom has specially design water-filled 6 pole BLDC/PMSM Stainless Steel submersible motor and Fabricated Bowl Impeller pump with maximum utilization of solar energy during sunny days, BLDC PMSM motor set has 30% higher energy efficiency then conventional ac submersible pump. V6-SS series is suitable for 6.5" or above bore well dia.

- 16 slot 6 pole Patented design
- V6-SS series is special design with Stainless Steel for longer life
- Use of high grade CRNO stamping for higher efficiency
- Use of NdFeb neodymium magnet with NICKEL and marine grade coating for corrosion free long life
- NEMA motor coupling

### TECHNICAL SPECIFICATION

- Water Filled BLDC/PMSM Motor
- Higher 3150 RPM
- HP Range 5 HP to 20 HP
- Head Range 30m to 300m
- Voltage 300V to 600V Range

| SR. No. | Motor Diameter in Inch | HP   | Model      | Head in Mtr. | Max Head in Mtr. | Flow Rate In LPM | Outlet | Require Power |
|---------|------------------------|------|------------|--------------|------------------|------------------|--------|---------------|
| 1       | 6"                     | 5    | 6SDUE5030  | 30 M         | 45M              | 434              | 3"     | 5000 Wp       |
| 2       | 6"                     | 5    | 6SDUE5050  | 50M          | 70 M             | 240              | 2.5"   | 5000 Wp       |
| 3       | 6"                     | 5    | 6SDUE5070  | 70 M         | 100 M            | 171              | 2"     | 5000 Wp       |
| 4       | 6"                     | 5    | 6SDUE5100  | 100 M        | 150 M            | 120              | 1.5"   | 5000 Wp       |
| 5       | 6"                     | 7.5  | 6SDUE7530  | 30 M         | 45 M             | 610              | 3"     | 7000 Wp       |
| 6       | 6"                     | 7.5  | 6SDUE7550  | 50 M         | 70 M             | 369              | 2.5"   | 7000 Wp       |
| 7       | 6"                     | 7.5  | 6SDUE7570  | 70 M         | 100 M            | 241              | 2"     | 7000 Wp       |
| 8       | 6"                     | 7.5  | 6SDUE75100 | 100 M        | 150 M            | 120              | 2"     | 7000 Wp       |
| 9       | 6"                     | 7.5  | 6SDUE75200 | 200 M        | 250 M            | 78               | 1.5"   | 7000 Wp       |
| 10      | 6"                     | 7.5  | 6SDUE75300 | 300 M        | 350 M            | 52               | 1.5"   | 7000 Wp       |
| 11      | 6"                     | 10   | 6SDUE1030  | 30 M         | 45 M             | 814              | 3"     | 9000 Wp       |
| 12      | 6"                     | 10   | 6SDUE1050  | 50 M         | 70 M             | 492              | 3"     | 9000 Wp       |
| 13      | 6"                     | 10   | 6SDUE1070  | 70 M         | 100 M            | 312              | 2.5"   | 9000 Wp       |
| 14      | 6"                     | 10   | 6SDUE10100 | 100 M        | 120 M            | 225              | 2.5"   | 9000 Wp       |
| 15      | 6"                     | 10   | 6SDUE10150 | 150 M        | 200 M            | 160              | 1.5"   | 9000 Wp       |
| 16      | 6"                     | 10   | 6SDUE10200 | 200 M        | 250 M            | 104              | 1.5"   | 9000 Wp       |
| 17      | 6"                     | 10   | 6SDUE10300 | 300 M        | 350 M            | 75               | 1.5"   | 9000 Wp       |
| 18      | 6"                     | 12.5 | 6SDUE1230  | 30 M         | 45 M             | 1017             | 4"     | 11000 Wp      |
| 19      | 6"                     | 12.5 | 6SDUE1250  | 50 M         | 70 M             | 616              | 3"     | 11000 Wp      |
| 20      | 6"                     | 12.5 | 6SDUE1270  | 70 M         | 100 M            | 401              | 3"     | 11000 Wp      |
| 21      | 6"                     | 12.5 | 6SDUE12100 | 100 M        | 150 M            | 281              | 3"     | 11000 Wp      |
| 22      | 6"                     | 12.5 | 6SDUE12150 | 150 M        | 200 M            | 200              | 2.5"   | 11000 Wp      |
| 23      | 6"                     | 12.5 | 6SDUE12200 | 200 M        | 250 M            | 147              | 2"     | 11000 Wp      |
| 24      | 6"                     | 12.5 | 6SDUE12250 | 250 M        | 300 M            | 120              | 1.5"   | 11000 Wp      |

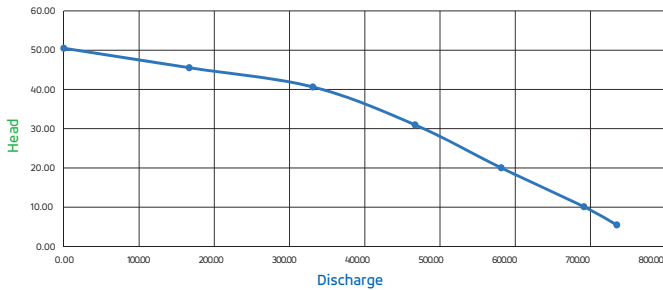
| SR. No. | Motor Diameter in Inch | HP   | Model       | Head in Mtr. | Max Head in Mtr. | Flow Rate In LPM | Outlet | Require Power |
|---------|------------------------|------|-------------|--------------|------------------|------------------|--------|---------------|
| 21      | 6"                     | 12.5 | 6SDUE125300 | 300 M        | 320 M            | 120              | 1.5"   | 11000 Wp      |
| 22      | 6"                     | 15   | 6SDUE1530   | 30 M         | 45 M             | 1221             | 4"     | 13500 Wp      |
| 23      | 6"                     | 15   | 6SDUE1550   | 50 M         | 70 M             | 739              | 3"     | 13500 Wp      |
| 24      | 6"                     | 15   | 6SDUE1570   | 70 M         | 100 M            | 482              | 3"     | 13500 Wp      |
| 25      | 6"                     | 15   | 6SDUE15100  | 100 M        | 120 M            | 337              | 3"     | 13500 Wp      |
| 26      | 6"                     | 15   | 6SDUE15150  | 150 M        | 180 M            | 241              | 3"     | 13500 Wp      |
| 27      | 6"                     | 15   | 6SDUE15200  | 200 M        | 230 M            | 176              | 2.5"   | 13500 Wp      |
| 28      | 6"                     | 15   | 6SDUE15250  | 250 M        | 280 M            | 144              | 2"     | 13500 Wp      |
| 29      | 6"                     | 15   | 6SDUE15300  | 300 M        | 320 M            | 119              | 1.5"   | 13500 Wp      |
| 30      | 6"                     | 15   | 6SDUE15350  | 350 M        | 380 M            | 109              | 1.5"   | 13500 Wp      |
| 31      | 6"                     | 15   | 6SDUE15400  | 400 M        | 430 M            | 92               | 1.5"   | 13500 Wp      |
| 32      | 6"                     | 17.5 | 6SDUE17530  | 30 M         | 45 M             | 1425             | 4"     | 15500 Wp      |
| 33      | 6"                     | 17.5 | 6SDUE17550  | 50 M         | 70 M             | 862              | 3"     | 15500 Wp      |
| 34      | 6"                     | 17.5 | 6SDUE17570  | 70 M         | 100 M            | 562              | 3"     | 15500 Wp      |
| 35      | 6"                     | 17.5 | 6SDUE175100 | 100 M        | 120 M            | 303              | 3"     | 15500 Wp      |
| 36      | 6"                     | 17.5 | 6SDUE175150 | 150 M        | 180 M            | 281              | 3"     | 15500 Wp      |
| 37      | 6"                     | 17.5 | 6SDUE175200 | 200 M        | 230 M            | 206              | 2.5"   | 15500 Wp      |
| 38      | 6"                     | 17.5 | 6SDUE175250 | 250 M        | 280 M            | 168              | 2.5"   | 15500 Wp      |
| 39      | 6"                     | 17.5 | 6SDUE175300 | 300 M        | 320 M            | 144              | 2"     | 15500 Wp      |
| 40      | 6"                     | 17.5 | 6SDUE175350 | 350 M        | 380 M            | 121              | 1.5"   | 15500 Wp      |
| 41      | 6"                     | 17.5 | 6SDUE175400 | 400 M        | 430 M            | 108              | 1.5"   | 15500 Wp      |
| 42      | 6"                     | 20   | 6SDUE2030   | 30 M         | 45 M             | 1628             | 4"     | 18000 Wp      |
| 43      | 6"                     | 20   | 6SDUE2050   | 50 M         | 70 M             | 985              | 3"     | 18000 Wp      |
| 44      | 6"                     | 20   | 6SDUE2070   | 70 M         | 100 M            | 642              | 3"     | 18000 Wp      |
| 45      | 6"                     | 20   | 6SDUE20100  | 100 M        | 120 M            | 450              | 3"     | 18000 Wp      |
| 46      | 6"                     | 20   | 6SDUE20150  | 150 M        | 180 M            | 321              | 3"     | 18000 Wp      |
| 47      | 6"                     | 20   | 6SDUE20200  | 200 M        | 230 M            | 235              | 3"     | 18000 Wp      |
| 48      | 6"                     | 20   | 6SDUE20250  | 250 M        | 280 M            | 192              | 2.5"   | 18000 Wp      |
| 49      | 6"                     | 20   | 6SDUE20300  | 300 M        | 320 M            | 171              | 2.5"   | 18000 Wp      |
| 50      | 6"                     | 20   | 6SDUE20350  | 350 M        | 380 M            | 147              | 2"     | 18000 Wp      |
| 51      | 6"                     | 20   | 6SDUE20400  | 400 M        | 430 M            | 130              | 1.5"   | 18000 Wp      |

### MATERIAL DESCRIPTION

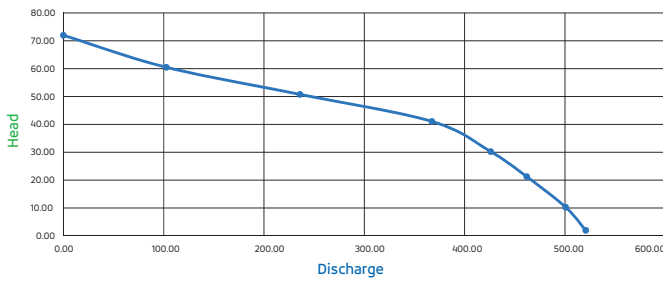
| SR. No. | Parts Name                                | Material        |
|---------|---|-----------------|
| 1       | Motor Base, Upper Housing & Lower Housing | Stainless Steel |
| 2       | Pump N.R.V & Pump Suction                 | Stainless Steel |
| 3       | Bowl & Impeller                           | SS304           |

## MOTOR DIAMETER IN 6" INCH - SS DC SOLAR SUBMERSIBLE PUMPS WATER COOLED PUMPS - BLDC/PMSM

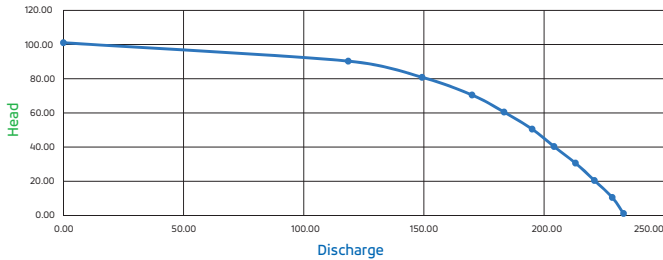
Stainless Steel Type



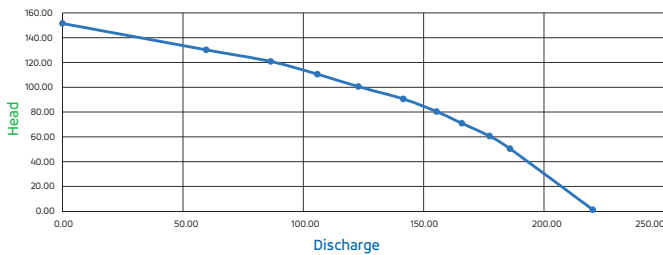
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 6"                     | 5.0 | 50       | 730      | 6SDUE5030 |



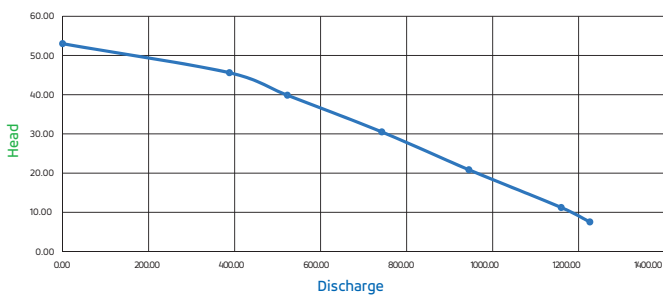
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 6"                     | 5.0 | 72       | 520      | 6SDUE5050 |



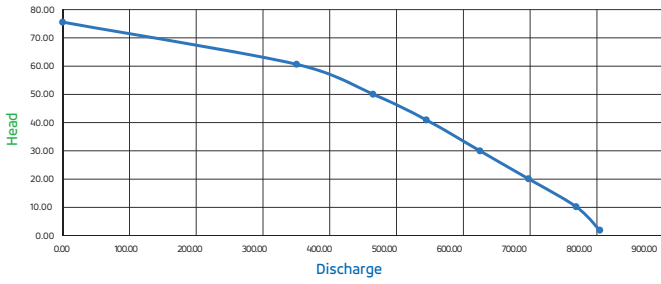
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 6"                     | 5.0 | 100      | 225      | 6SDUE5070 |



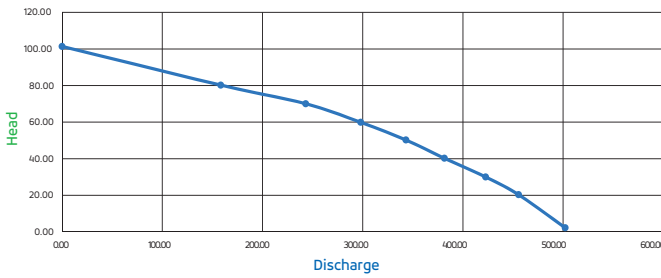
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 6"                     | 5.0 | 150      | 225      | 6SDUE5100 |



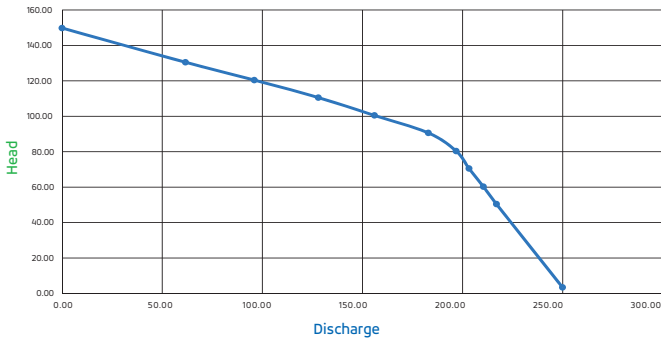
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 4"                     | 7.5 | 55       | 123      | 6SDUE7530 |



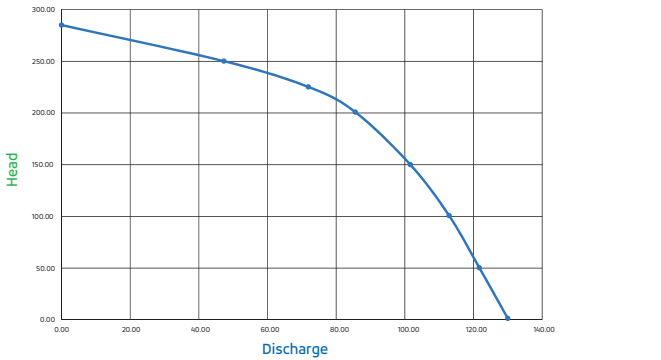
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 6"                     | 7.5 | 60       | 800      | 6SDUE7550 |



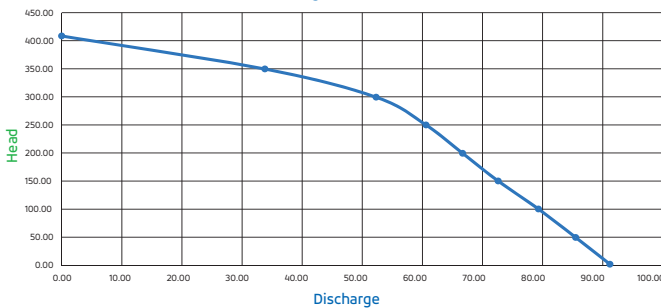
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model     |
|------------------------|-----|----------|----------|-----------|
| 6"                     | 7.5 | 100      | 500      | 6SDUE7570 |



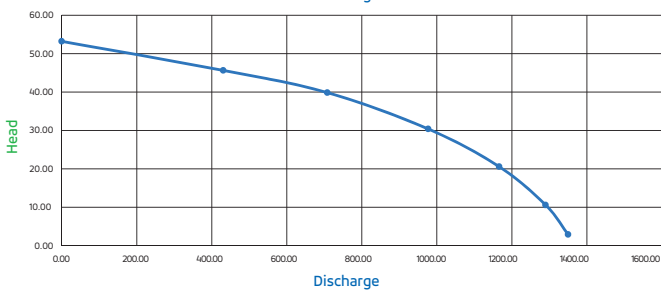
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 6"                     | 7.5 | 150      | 250      | 6SDUE75100 |



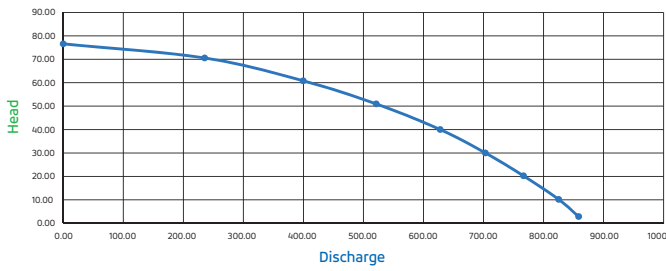
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 6"                     | 7.5 | 290      | 130      | 6SDUE75200 |



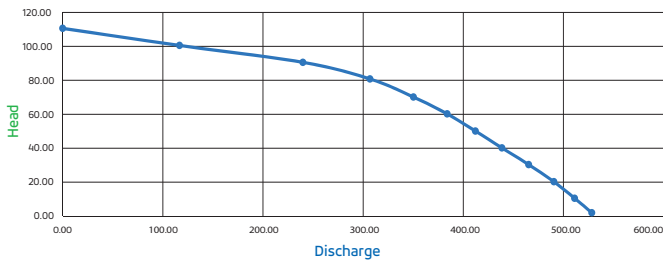
| Motor Diameter in Inch | HP  | Max Head | Max Flow | Model      |
|------------------------|-----|----------|----------|------------|
| 6"                     | 7.5 | 400      | 92       | 6SDUE75300 |



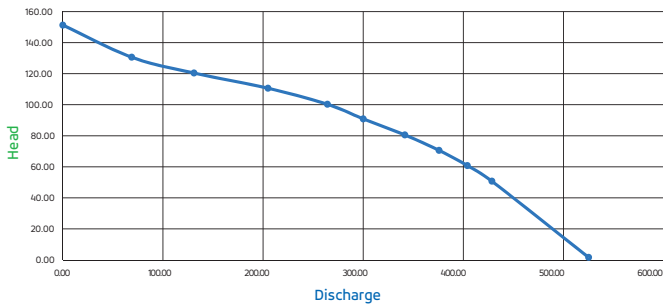
| Motor Diameter in Inch | HP   | Max Head | Max Flow | Model     |
|------------------------|------|----------|----------|-----------|
| 4"                     | 10.0 | 53       | 136      | 6SDUE1030 |



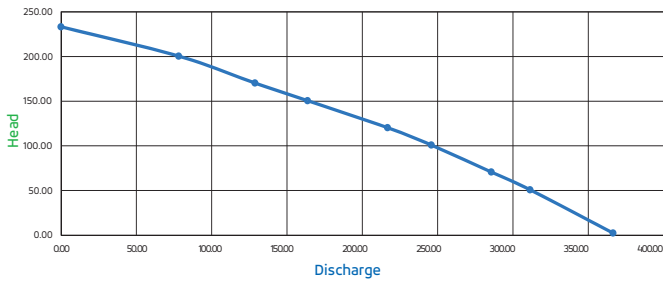
| Motor Diameter in Inch | HP   | Max Head | Max Flow | Model     |
|------------------------|------|----------|----------|-----------|
| 6"                     | 10.0 | 75       | 850      | 6SDUE1050 |



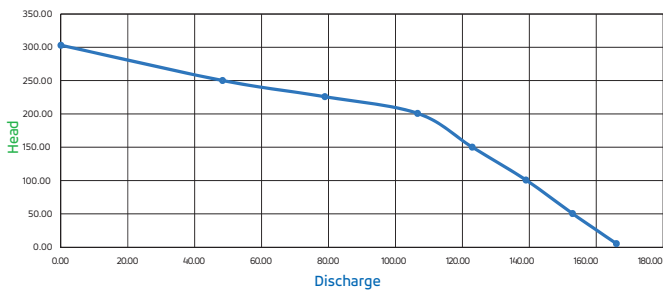
| Motor Diameter in Inch | HP   | Max Head | Max Flow | Model     |
|------------------------|------|----------|----------|-----------|
| 6"                     | 10.0 | 110      | 550      | 6SDUE1070 |



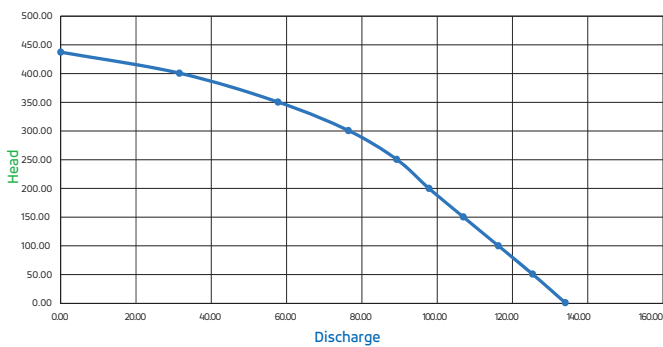
| Motor Diameter in Inch | HP   | Max Head | Max Flow | Model      |
|------------------------|------|----------|----------|------------|
| 6"                     | 10.0 | 72       | 520      | 6SDUE10100 |



| Motor Diameter in Inch | HP   | Max Head | Max Flow | Model      |
|------------------------|------|----------|----------|------------|
| 6"                     | 10.0 | 225      | 370      | 6SDUE10150 |



| Motor Diameter in Inch | HP   | Max Head | Max Flow | Model      |
|------------------------|------|----------|----------|------------|
| 6"                     | 10.0 | 300      | 170      | 6SDUE10200 |



| Motor Diameter in Inch | HP   | Max Head | Max Flow | Model      |
|------------------------|------|----------|----------|------------|
| 4"                     | 10.0 | 440      | 135      | 6SDUE10300 |

## MOTOR DIAMETER IN 6" INCH - SS AC SOLAR SUBMERSIBLE PUMPS WATER COOLED

Stainless Steel Type



### DESCRIPTION

The 6" AC Solar Submersible Pump Set developed by Uratom is solar-powered water pump system that uses a 6" AC asynchronous Motor to drive the 6" pump. The system is designed for use in remote areas where access to grid electricity is limited or non-existent, and where the availability of solar energy is abundant.

- V6-SS series is special design with Stainless Steel for longer life
- Use of high grade CRNO stamping for higher efficiency
- NEMA motor coupling

### TECHNICAL SPECIFICATION

- Water Filled AC Motor
- Higher 3150 RPM
- HP Range 5 HP to 20 HP
- Head Range 30m to 300m
- Voltage 300V to 1100V Range

| SR. No. | Motor Diameter in Inch | HP   | Model       | Head in Mtr. | Max Head in Mtr. | Flow Rate In LPM | Outlet | Require Power |
|---------|------------------------|------|-------------|--------------|------------------|------------------|--------|---------------|
| 1       | 6"                     | 5    | 6SAUE5030   | 30 M         | 45M              | 400              | 3"     | 5000 Wp       |
| 2       | 6"                     | 5    | 6SAUE5050   | 50M          | 70 M             | 220              | 2.5"   | 5000 Wp       |
| 3       | 6"                     | 5    | 6SAUE5070   | 70 M         | 100 M            | 160              | 2"     | 5000 Wp       |
| 4       | 6"                     | 5    | 6SAUE5100   | 100 M        | 120 M            | 102              | 1.5"   | 5000 Wp       |
| 5       | 6"                     | 7.5  | 6SAUE7530   | 30 M         | 45 M             | 562              | 3"     | 7000 Wp       |
| 6       | 6"                     | 7.5  | 6SAUE7550   | 50 M         | 70 M             | 337              | 2.5"   | 7000 Wp       |
| 7       | 6"                     | 7.5  | 6SAUE7570   | 70 M         | 100 M            | 225              | 2"     | 7000 Wp       |
| 8       | 6"                     | 7.5  | 6SAUE75100  | 100 M        | 120 M            | 144              | 2"     | 7000 Wp       |
| 9       | 6"                     | 7.5  | 6SAUE75200  | 200 M        | 250 M            | 71               | 1.5"   | 7000 Wp       |
| 10      | 6"                     | 7.5  | 6SAUE75300  | 300 M        | 350 M            | 46               | 1.5"   | 7000 Wp       |
| 11      | 6"                     | 10   | 6SAUE1030   | 30 M         | 45 M             | 750              | 3"     | 9000 Wp       |
| 12      | 6"                     | 10   | 6SAUE1050   | 50 M         | 70 M             | 450              | 3"     | 9000 Wp       |
| 13      | 6"                     | 10   | 6SAUE1070   | 70 M         | 100 M            | 300              | 2.5"   | 9000 Wp       |
| 14      | 6"                     | 10   | 6SAUE10100  | 100 M        | 120 M            | 192              | 2.5"   | 9000 Wp       |
| 15      | 6"                     | 10   | 6SAUE10150  | 150 M        | 180 M            | 143              | 2"     | 9000 Wp       |
| 16      | 6"                     | 10   | 6SAUE10200  | 200 M        | 250 M            | 96               | 1.5"   | 9000 Wp       |
| 17      | 6"                     | 10   | 6SAUE10300  | 300 M        | 350 M            | 70               | 1.5"   | 9000 Wp       |
| 18      | 6"                     | 12.5 | 6SAUE12530  | 30 M         | 45 M             | 937              | 4"     | 11000 Wp      |
| 19      | 6"                     | 12.5 | 6SAUE12550  | 50 M         | 70 M             | 562              | 3"     | 11000 Wp      |
| 20      | 6"                     | 12.5 | 6SAUE12570  | 70 M         | 100 M            | 375              | 3"     | 11000 Wp      |
| 21      | 6"                     | 12.5 | 6SAUE125100 | 100 M        | 120 M            | 241              | 3"     | 11000 Wp      |
| 22      | 6"                     | 12.5 | 6SAUE125150 | 150 M        | 180 M            | 179              | 2.5"   | 11000 Wp      |
| 23      | 6"                     | 12.5 | 6SAUE125200 | 200 M        | 230 M            | 133              | 2"     | 11000 Wp      |
| 24      | 6"                     | 12.5 | 6SAUE125250 | 250 M        | 280 M            | 107              | 1.5"   | 11000 Wp      |

| SR. No. | Motor Diameter in Inch | HP   | Model       | Head in Mtr. | Max Head in Mtr. | Flow Rate In LPM | Outlet | Require Power |
|---------|------------------------|------|-------------|--------------|------------------|------------------|--------|---------------|
| 21      | 6"                     | 12.5 | 6SAUE125300 | 300 M        | 350 M            | 83               | 1.5"   | 11000 Wp      |
| 22      | 6"                     | 15   | 6SAUE1530   | 30 M         | 50 M             | 1125             | 4"     | 13500 Wp      |
| 23      | 6"                     | 15   | 6SAUE1550   | 50 M         | 70 M             | 675              | 3"     | 13500 Wp      |
| 24      | 6"                     | 15   | 6SAUE1570   | 70 M         | 100 M            | 450              | 3"     | 13500 Wp      |
| 25      | 6"                     | 15   | 6SAUE15100  | 100 M        | 150 M            | 289              | 3"     | 13500 Wp      |
| 26      | 6"                     | 15   | 6SAUE15150  | 150 M        | 200 M            | 215              | 3"     | 13500 Wp      |
| 27      | 6"                     | 15   | 6SAUE15200  | 200 M        | 250 M            | 160              | 2.5"   | 13500 Wp      |
| 28      | 6"                     | 15   | 6SAUE15250  | 250 M        | 300 M            | 128              | 2"     | 13500 Wp      |
| 29      | 6"                     | 15   | 6SAUE15300  | 300 M        | 350 M            | 107              | 1.5"   | 13500 Wp      |
| 30      | 6"                     | 15   | 6SAUE15350  | 350 M        | 400 M            | 97               | 1.5"   | 13500 Wp      |
| 31      | 6"                     | 15   | 6SAUE15400  | 400 M        | 450 M            | 80               | 1.5"   | 13500 Wp      |
| 32      | 6"                     | 17.5 | 6SAUE17530  | 30 M         | 50 M             | 1312             | 4"     | 15500 Wp      |
| 33      | 6"                     | 17.5 | 6SAUE17550  | 50 M         | 70 M             | 787              | 3"     | 15500 Wp      |
| 34      | 6"                     | 17.5 | 6SAUE17570  | 70 M         | 100 M            | 525              | 3"     | 15500 Wp      |
| 35      | 6"                     | 17.5 | 6SAUE175100 | 100 M        | 150 M            | 337              | 3"     | 15500 Wp      |
| 36      | 6"                     | 17.5 | 6SAUE175150 | 150 M        | 200 M            | 251              | 3"     | 15500 Wp      |
| 37      | 6"                     | 17.5 | 6SAUE175200 | 200 M        | 250 M            | 187              | 2.5"   | 15500 Wp      |
| 38      | 6"                     | 17.5 | 6SAUE175250 | 250 M        | 300 M            | 150              | 2.5"   | 15500 Wp      |
| 39      | 6"                     | 17.5 | 6SAUE175300 | 300 M        | 350 M            | 133              | 2"     | 15500 Wp      |
| 40      | 6"                     | 17.5 | 6SAUE175350 | 350 M        | 400 M            | 109              | 1.5"   | 15500 Wp      |
| 41      | 6"                     | 17.5 | 6SAUE175400 | 400 M        | 450 M            | 96               | 1.5"   | 15500 Wp      |
| 42      | 6"                     | 20   | 6SAUE2030   | 30 M         | 50 M             | 1500             | 4"     | 18000 Wp      |
| 43      | 6"                     | 20   | 6SAUE2050   | 50 M         | 70 M             | 900              | 3"     | 18000 Wp      |
| 44      | 6"                     | 20   | 6SAUE2070   | 70 M         | 100 M            | 600              | 3"     | 18000 Wp      |
| 45      | 6"                     | 20   | 6SAUE20100  | 100 M        | 150 M            | 385              | 3"     | 18000 Wp      |
| 46      | 6"                     | 20   | 6SAUE20150  | 150 M        | 200 M            | 287              | 3"     | 18000 Wp      |
| 47      | 6"                     | 20   | 6SAUE20200  | 200 M        | 250 M            | 214              | 3"     | 18000 Wp      |
| 48      | 6"                     | 20   | 6SAUE20250  | 250 M        | 300 M            | 171              | 2.5"   | 18000 Wp      |
| 49      | 6"                     | 20   | 6SAUE20300  | 300 M        | 350 M            | 159              | 2.5"   | 18000 Wp      |
| 50      | 6"                     | 20   | 6SAUE20350  | 350 M        | 400 M            | 135              | 2"     | 18000 Wp      |
| 51      | 6"                     | 20   | 6SAUE20400  | 400 M        | 450 M            | 119              | 1.5"   | 18000 Wp      |

### MATERIAL DESCRIPTION

| SR. No. | Parts Name                                | Material        |
|---------|---|-----------------|
| 1       | Motor Base, Upper Housing & Lower Housing | Stainless Steel |
| 2       | Pump N.R.V & Pump Suction                 | Stainless Steel |
| 3       | Bowl & Impeller                           | SS304           |

## SCREW TYPE SELF PRIMING MONOBLOCK AIR COOLED BLDC/PMSM PUMPSET



### DESCRIPTION

Uratom has specially designed Self Priming Monoblock BLDC/PMSM Series for domestic application.

- Air cool Self Priming BLDC Monoblock for higher performance with zero maintenance.
- CED coated casting static parts in motor and pump for anti-corrosion.
- CED coated Casing and impellers for Higher Discharge, Smooth Operation & Long life span.
- High grade aluminum alloy board.

| SR. No. | HP   | Model       | Max Head in Mtr. | Max Flow In LPM. | Duty Head In Mtr | Duty Flow In LPM. | Require Power |
|---------|------|-------------|------------------|------------------|------------------|-------------------|---------------|
| 1       | 0.25 | SPSDUE02540 | 50 M             | 56               | 40 M             | 26                | 450 WP        |
| 2       | 1.0  | SPSDUE1070  | 100 M            | 65               | 70 M             | 28                | 1000 WP       |

## IMPELLER TYPE SELF PRIMING MONOBLOCK AIR COOLED BLDC/PMSM PUMPSET



### DESCRIPTION

Uratom has specially designed Self Priming Monoblock BLDC/PMSM Series for domestic application

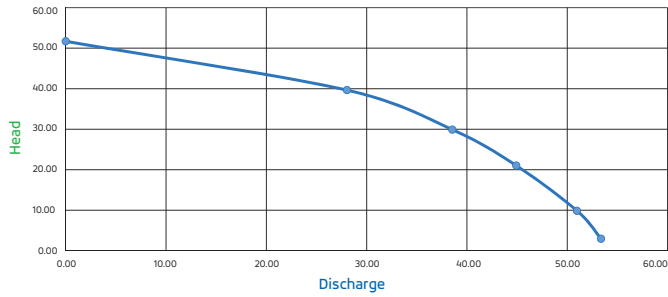
- Air cool Self Priming BLDC Monoblock for higher performance with zero maintenance.
- CED coated casting static parts in motor and pump for anti-corrosion.
- CED coated Casing and impellers for Higher Discharge, Smooth Operation & Long life span.
- High grade aluminum alloy board.

| SR. No. | HP  | Model     | Max Head in Mtr. | Max Flow In LPM. | Duty Head In Mtr | Duty Flow In LPM. | Require Power |
|---------|-----|-----------|------------------|------------------|------------------|-------------------|---------------|
| 1       | 0.5 | SPDUE0520 | 25 M             | 62               | 20 M             | 28                | 600 WP        |
| 2       | 1.0 | SPDUE1030 | 35 M             | 63               | 30 M             | 25                | 1000 WP       |

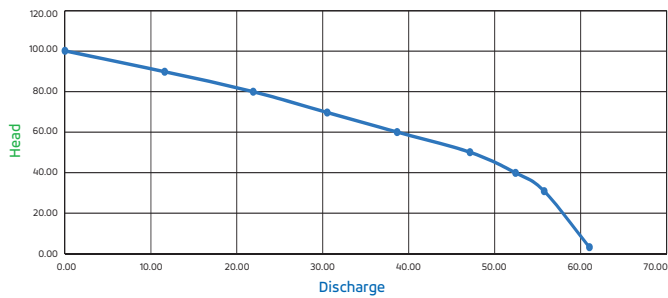
### TECHNICAL SPECIFICATION

- 9 slot 6 pole Patented design
- Water Filled BLDC/PMSM Motor
- HP Range upto 1.0 HP
- 150 Hz operation
- Higher 3150 RPM

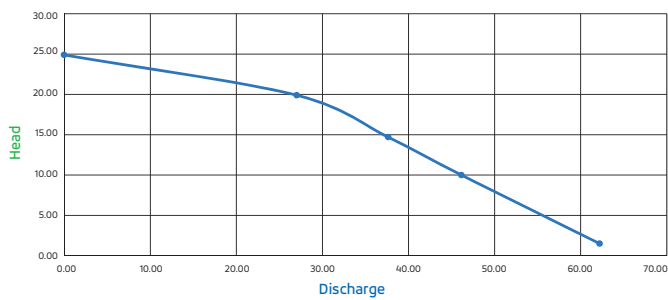
## SCREW TYPE SELF PRIMING MONOBLOCK AIR COOLED BLDC/PMSM PUMPSET



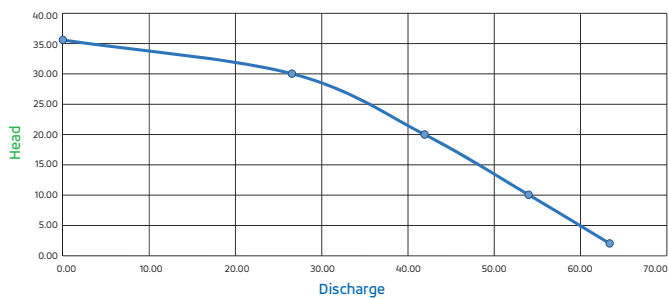
| HP   | Max Head | Max Flow | Model       |
|------|----------|----------|-------------|
| 0.25 | 52       | 54       | SPSDUE02540 |



| HP  | Max Head | Max Flow | Model      |
|-----|----------|----------|------------|
| 1.0 | 100      | 62       | SPSDUE1070 |



| HP  | Max Head | Max Flow | Model     |
|-----|----------|----------|-----------|
| 0.5 | 25       | 62       | SPDUE0520 |



| HP  | Max Head | Max Flow | Model     |
|-----|----------|----------|-----------|
| 1.0 | 35       | 64       | SPDUE1030 |

## SURFACE MONOBLOCK AIR COOLED – BLDC/PMSM



### DESCRIPTION

Uratom has specially designed Surface Monoblock BLDC/PMSM Series for Open Irrigation Applications.

Suitable for Lake, Sump or canal.

- Air cool Surface BLDC Monoblock for higher performance with zero maintenance.
- CED coated casting static parts in motor and pump for anti-corrosion.
- CED coated Casing and impellers for Higher Discharge, Smooth Operation & Long life span.
- High grade aluminum alloy board.

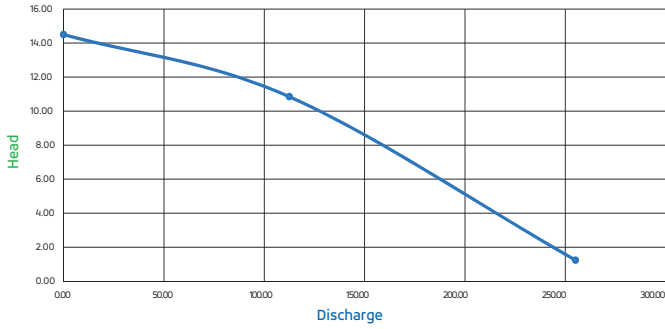
### TECHNICAL SPECIFICATION

- 4 slot & 6 pole Unique design
- Water Filled BLDC/PMSM Motor
- 100/150 Hz operation DC Range
- Higher 3150 RPM
- HP Range 0.5 to 10 HP

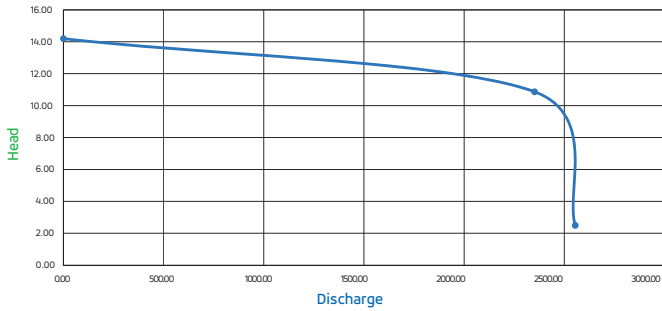


| SR. No. | HP  | Model      | Head in Mtr. | Max Head in Mtr. | Suction | Delivery | Flow Rate In LPM | Require Power |
|---------|-----|------------|--------------|------------------|---------|----------|------------------|---------------|
| 1       | 0.5 | SMDUE0510  | 10 M         | 12 M             | 1.5     | 1.5      | 110              | 600 Wp        |
| 2       | 1   | SMDUE1010  | 10 M         | 12 M             | 2       | 2        | 203              | 1000 Wp       |
| 3       | 1   | SMDUE1020  | 20 M         | 25 M             | 1.5     | 1.5      | 120              | 1000 Wp       |
| 4       | 1   | SMDUE1030  | 30 M         | 40 M             | 1.5     | 1.5      | 60               | 1000 Wp       |
| 5       | 2   | SMDUE2010  | 10 M         | 12 M             | 2.5     | 2.5      | 471              | 2000 Wp       |
| 6       | 2   | SMDUE2020  | 20 M         | 25 M             | 2       | 2        | 235              | 2000 Wp       |
| 7       | 3   | SMDUE3010  | 10 M         | 12 M             | 3       | 3        | 707              | 3000 Wp       |
| 8       | 3   | SMDUE3020  | 20 M         | 25 M             | 2.5     | 2        | 353              | 3000 Wp       |
| 9       | 5   | SMDUE5010  | 10 M         | 12 M             | 4       | 4        | 1257             | 3000 Wp       |
| 10      | 5   | SMDUE5020  | 20 M         | 25 M             | 3       | 2.5      | 629              | 3000 Wp       |
| 11      | 7.5 | SMDUE7510  | 10 M         | 12 M             | 4       | 4        | 1768             | 7000 Wp       |
| 12      | 7.5 | SMDUE7520  | 20 M         | 25 M             | 3       | 3        | 884              | 7000 Wp       |
| 13      | 10  | SMDUE10010 | 10 M         | 12 M             | 4       | 4        | 2357             | 7000 Wp       |
| 14      | 10  | SMDUE10020 | 20 M         | 25 M             | 3       | 3        | 1179             | 9000 Wp       |

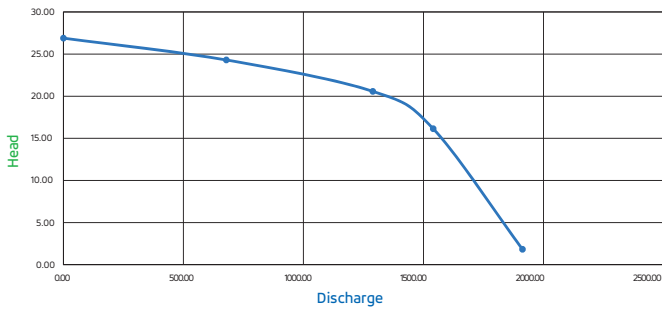
## SURFACE MONOBLOCK AIR COOLED – BLDC/PMSM



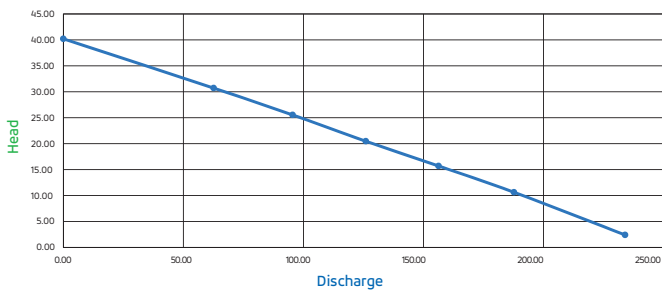
| HP  | Max Head | Max Flow | Model     |
|-----|----------|----------|-----------|
| 0.5 | 52       | 54       | SMDUE0510 |



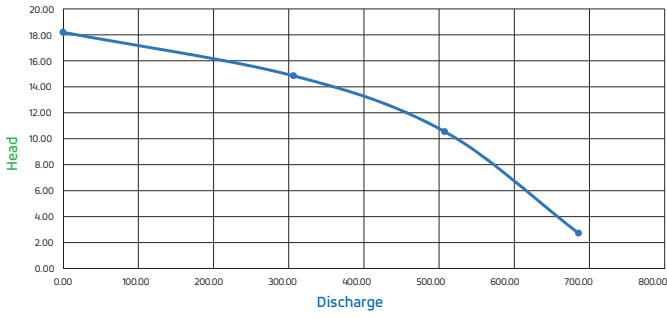
| HP  | Max Head | Max Flow | Model     |
|-----|----------|----------|-----------|
| 1.0 | 100      | 62       | SMDUE1010 |



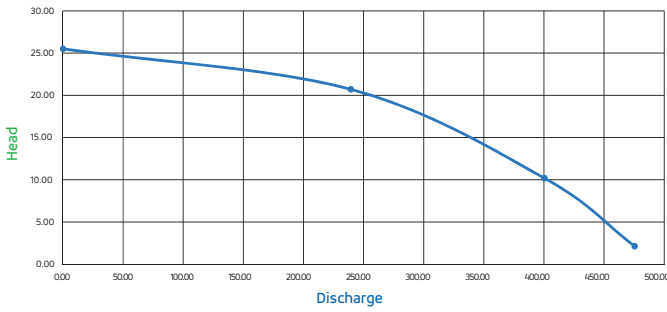
| HP  | Max Head | Max Flow | Model     |
|-----|----------|----------|-----------|
| 1.0 | 25       | 62       | SMDUE1020 |



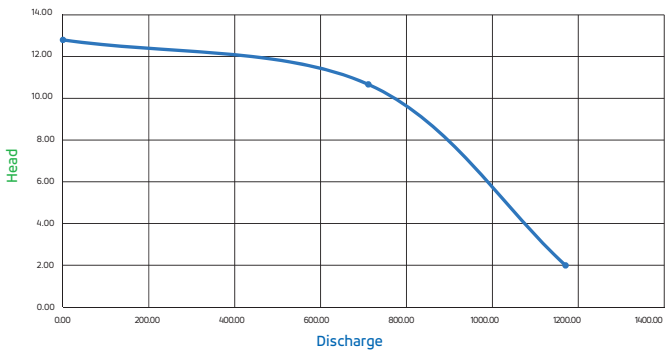
| HP  | Max Head | Max Flow | Model     |
|-----|----------|----------|-----------|
| 1.0 | 35       | 64       | SMDUE1030 |



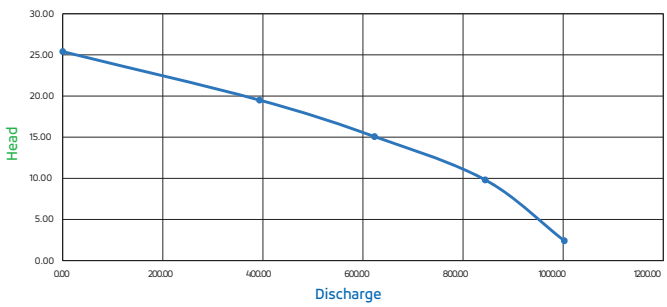
| HP  | Max Head | Max Flow | Model     |
|-----|----------|----------|-----------|
| 2.0 | 52       | 54       | SMDUE2010 |



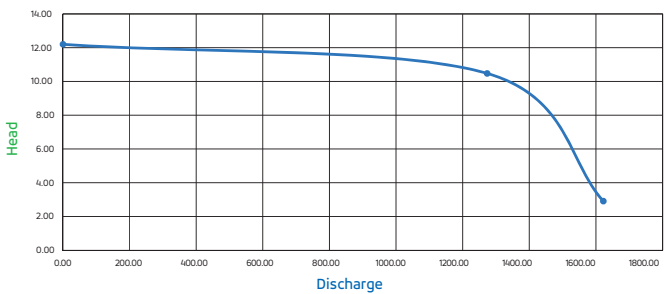
| HP  | Max Head | Max Flow | Model     |
|-----|----------|----------|-----------|
| 2.0 | 100      | 62       | SMDUE2020 |



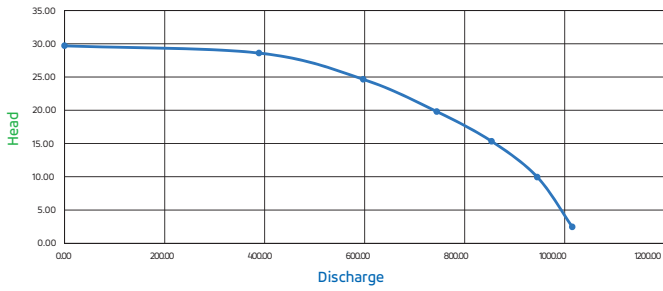
| HP  | Max Head | Max Flow | Model     |
|-----|----------|----------|-----------|
| 3.0 | 25       | 62       | SMDUE3010 |



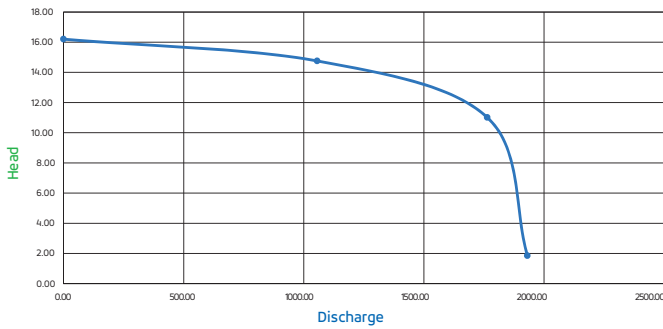
| HP  | Max Head | Max Flow | Model     |
|-----|----------|----------|-----------|
| 3.0 | 35       | 64       | SMDUE3020 |



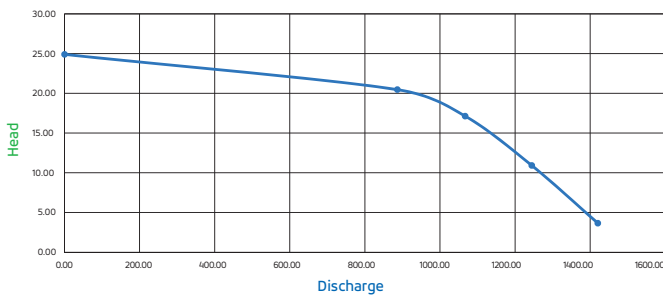
| HP  | Max Head | Max Flow | Model     |
|-----|----------|----------|-----------|
| 5.0 | 35       | 64       | SMDUE5010 |



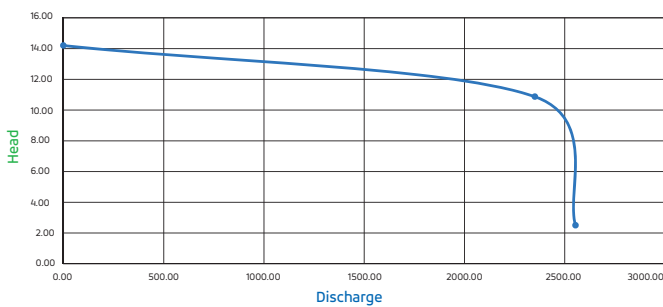
| HP  | Max Head | Max Flow | Model     |
|-----|----------|----------|-----------|
| 5.0 | 52       | 54       | SMDUE5020 |



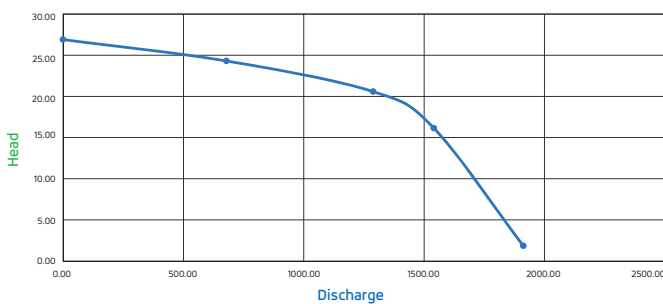
| HP  | Max Head | Max Flow | Model     |
|-----|----------|----------|-----------|
| 7.5 | 100      | 62       | SMDUE7510 |



| HP  | Max Head | Max Flow | Model     |
|-----|----------|----------|-----------|
| 7.5 | 25       | 62       | SMDUE7520 |



| HP   | Max Head | Max Flow | Model      |
|------|----------|----------|------------|
| 10.0 | 35       | 64       | SMDUE10010 |



| HP   | Max Head | Max Flow | Model      |
|------|----------|----------|------------|
| 10.0 | 35       | 64       | SMDUE10020 |

## SURFACE MONOBLOCK AC AIR COOLED - INDUCTION TYPE



### DESCRIPTION

Uratom has specially designed Surface Monoblock Induction Series for Open Irrigation Applications.

Suitable for Lake, Sump or canal.

- Air cool Surface AC Monoblock for higher performance with zero maintenance.
- CED coated casting static parts in motor and pump for anti-corrosion.
- CED coated Casing and impellers for Higher Discharge, Smooth Operation & Long life span.
- High grade aluminum alloy board.

### TECHNICAL SPECIFICATION

- Air Cooled Motor
- HP Range 0.5 to 10 HP
- Higher 3150 RPM
- 50 Hz operation DC Range



| SR. No. | HP  | Model      | Head in Mtr. | Max Head in Mtr. | Suction | Delivery | Flow Rate In LPM | Require Power |
|---------|-----|------------|--------------|------------------|---------|----------|------------------|---------------|
| 1       | 0.5 | SMAUE0510  | 10 M         | 12 M             | 1.5     | 1.5      | 92               | 600 Wp        |
| 2       | 1   | SMAUE1010  | 10 M         | 12 M             | 2       | 2        | 182              | 1000 Wp       |
| 3       | 2   | SMAUE2010  | 10 M         | 12 M             | 2       | 2        | 424              | 2000 Wp       |
| 4       | 2   | SMAUE2020  | 20 M         | 25 M             | 2       | 1.5      | 214              | 2000 Wp       |
| 5       | 3   | SMAUE3010  | 10 M         | 12 M             | 3       | 3        | 636              | 3000 Wp       |
| 6       | 3   | SMAUE3020  | 20 M         | 25 M             | 2.5     | 2        | 315              | 3000 Wp       |
| 7       | 5   | SMAUE5010  | 10 M         | 12 M             | 4       | 4        | 1131             | 5000 Wp       |
| 8       | 5   | SMAUE5020  | 20 M         | 25 M             | 3       | 2.5      | 560              | 5000 Wp       |
| 9       | 7.5 | SMAUE7510  | 10 M         | 12 M             | 4       | 4        | 1591             | 7000 Wp       |
| 10      | 7.5 | SMAUE7520  | 20 M         | 25 M             | 3       | 3        | 788              | 7000 Wp       |
| 11      | 10  | SMAUE10010 | 10 M         | 12 M             | 4       | 4        | 2121             | 9000 Wp       |
| 12      | 10  | SMAUE10020 | 20 M         | 25 M             | 3       | 3        | 1050             | 9000 Wp       |

## AC SOLAR OPENWELL WATER COOLED



### DESCRIPTION

Uratom has specially designed AC Solar Openwell Series for Open Irrigation Applications. Suitable for Well, Lake, River or Sump.

- Water filled AC Solar motor for better performance and easy repairable on remote areas.
- CED coated & SS 202 casting static parts in motor and pump for anti-corrosion.
- CED coated Casing and impellers for Higher Discharge, Smooth Operation & Long life span.
- Maintenance Coast is less then Borewell Pump set.

### TECHNICAL SPECIFICATION

- Water Filled AC Motor
- Higher 2880 RPM
- HP Range 3.0 to 10 HP
- 50 Hz operation
- Flow Range upto 700 LPM

| SR. No. | HP   | Model     | Head in Mtr. | Flow Rate in LPM | Pump Suction inch | Pump Delivery inch | Require Power |
|---------|------|-----------|--------------|------------------|-------------------|--------------------|---------------|
| 1       | 3.0  | 9SAUE320  | 20           | 350              | 2.5"              | 2.5"               | 3000 Wp       |
| 2       | 5.0  | 9SAUE520  | 20           | 560              | 2.5"              | 2.5"               | 5000 Wp       |
| 3       | 7.5  | 9SAUE7520 | 20           | 787              | 3.0"              | 3.0"               | 7000 Wp       |
| 4       | 7.5  | 9SAUE7530 | 30           | 562              | 3.0"              | 3.0"               | 7000 Wp       |
| 5       | 10.0 | 9SAUE1020 | 20           | 1050             | 3.0"              | 3.0"               | 9000 Wp       |
| 6       | 10.0 | 9SAUE1030 | 30           | 750              | 3.0"              | 3.0"               | 9000 Wp       |

## SOLAR PUMP CONTROLLER AC-BLDC/PMSM



### 0.5 HP & 1.0 HP

- Suitable for 0.5 HP & 1.0 HP BLDC/PMSM motor
- It can work with any pole of motor
- Suitable for BLDC & PMSM motor
- Suitable for polycrystalline and monoperk solar panel
- Also available in AC & DC hybrid model



### 2.0 HP, 3.0 HP & 5.0 HP

- Suitable for 2.0 HP & 3.0 HP BLDC/PMSM motor
- It can work with any pole of motor
- Suitable for AC, BLDC & PMSM motor
- Suitable for polycrystalline and monoperk solar panel
- Also available in AC & DC hybrid model
- RMS with 4G Technology
- Compatible with New 535 Monoperk Panel



### 7.5 HP & 10 HP

- Suitable for 5.0 HP, 7.5 HP & 10 HP BLDC/PMSM motor
- It can work with any pole of motor
- Suitable for AC, BLDC & PMSM motor
- Suitable for polycrystalline and monoperk solar panel
- Also available in AC & DC hybrid model

## SOLAR SUGARCANE JUICER



### DESCRIPTION

Uratom has specially design sugarcane juicer for Commercial Purpose. This sugarcane juicer especially thankful in which areas there is no lighting facilities. Used BLDC Induction motor set has 30% higher energy efficiency then Conventional ac induction motor set.

- Sugarcane juicer is special design with stainless steel for longer life
- Use of high grade CRNO stamping for higher efficiency
- Use of NdFeb neodymium magnet with NICKLE and marine grade coating for corrosion free long life
- NEMA motor coupling

### TECHNICAL SPECIFICATION OF MOTOR

- |                   |                           |                                    |
|-------------------|---------------------------|------------------------------------|
| • BLDC/PMSM Motor | • POWER: - 0.5 HP /400 W  | • Weight: 45 KG                    |
| • 1500 RPM        | • Volt/Frequency: 36 V DC | • Crushing / Capacity: 85 ltr/hour |

### FEATURES

- Juice is extracted completely in single crushing. No second crushing required.
- Machine size & weight very compact, so move easily one place to another.
- Used BLDC motor so power consumption is very economical.
- Very simple and easy to operate, anyone can easily operate it, even a child can easily operate it.
- Crushes 130 Kg sugarcane in 1 Hour giving 390+ Glasses of juice each of 200ml.
- All contact parts made of high grade material.
- No maintenance required except regular cleaning. Very easy to clean.
- Machine is completely safe to operate.

## SOLAR STONE FLOUR MILL



### DESCRIPTION

Our Solar + Electric Flour Mill Machine is available in 1–2 HP, 3–5 HP, 6–8 HP, and 9–10 HP variants, designed to suit domestic, commercial, and industrial needs. The machine operates on solar power with electric backup, offering single-phase options for smaller models and three-phase support for higher capacities.

The grinding capacity ranges from 8–20 kg/hr in the 1–2 HP model to 130–200 kg/hr in the 9–10 HP model. It features natural emery to industrial-grade emery stones, with stone sizes from 8 inches up to 20 inches, ensuring efficient and consistent grinding performance.

The fineness is adjustable from fine to coarse, making it suitable for wheat, rice, maize, pulses, millets, and multi-grain applications. Solar panel requirements range from 1.5 kW to 10 kW, with inverter capacity from 2 kW to 10 kW and battery backup between 4 kWh and 20 kWh depending on the model.

Built with MS body construction, reinforced frames, and heavy-duty structures, the machine includes safety features such as overload protection, safety guards, and emergency stop options in higher models, ensuring durability and safe operation.

| Parameter                    | 2 HP                        | 3 HP                        | 5 HP                        | 7.5–10 HP                       |
|------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------------------|
| Motor Power                  | 1.5 KW                      | 2.2 KW                      | 4.0 KW                      | 5.5 – 7.5 KW                    |
| Power Type                   | Solar + Electric            | Solar + Electric            | Solar + Electric            | Solar + Electric                |
| Motor / Type                 | AC / BLDC                   | AC / BLDC                   | AC / BLDC                   | AC / BLDC                       |
| Grinding Capacity (kg/hr)    | 20                          | 25                          | 60                          | 100 – 200                       |
| Grinding Type                | Natural Stone (Emery)       | Natural Stone (Emery)       | Heavy Duty Emery Stone      | Industrial Emery Stone          |
| Stone Size (Diameter)        | 8 – 10 inch                 | 12 – 14 inch                | 16 – 18 inch                | 20 inch                         |
| Fineness Adjustment          | Adjustable (Fine to Coarse) | Adjustable (Fine to Coarse) | Adjustable (Fine to Coarse) | Adjustable (Fine to Coarse)     |
| Solar Panel Requirement (kW) | 2                           | 3                           | 5                           | 7 – 10                          |
| Inverter Capacity (kW)       | 2.2                         | 3.5                         | 5                           | 7.5 – 9                         |
| Battery Backup (kWh)         | 4 – 6                       | 6 – 10                      | 10 – 15                     | 15 – 20                         |
| Suitable Grains              | Wheat, Rice, Maize          | Wheat, Rice, Maize, Pulses  | All Grains & Millets        | Commercial Multi-Grain Use      |
| Construction                 | MS Body with Stone Chamber  | Heavy Duty MS Body          | Reinforced MS Frame         | Industrial Heavy Duty Structure |
| Safety Features              | Overload Protection         | Overload + Safety Guard     | Overload + Safety Cover     | Overload + Emergency Stop       |

## SOLAR CHAFF CUTTER



### DESCRIPTION

The Solar Chaff Cutter is available in 1–1.5 HP, 2–3 HP, and 4–5 HP models, powered by Solar + Electric support. The smaller model operates on single phase, while higher variants support single or three phase and fully three phase systems, making it suitable for small farms to large dairy operations.

The cutting capacity ranges from 200–500 kg/hr in the 1–1.5 HP model to 1000–1500 kg/hr in the 4–5 HP model. It features high carbon steel blades (2–4 blades depending on model) and offers adjustable cut size from 6–25 mm for uniform fodder cutting.

Equipped with manual, double roller, or heavy-duty roller feed mechanisms, the machine ensures smooth and continuous feeding. Solar panel requirements range from 1.5 kW to 3.5 kW, with inverter capacity between 2–5 kW and battery backup from 4–8 kWh depending on the model.

Built with MS body and reinforced MS frame construction, the Solar Chaff Cutter is designed for durability and long-term use. Safety features include blade guards, safety covers, and emergency stop systems in higher models, ensuring safe and efficient operation.

| Parameter                    | 2 HP                           | 3 HP                           | 5 HP                                 |
|------------------------------|--------------------------------|--------------------------------|--------------------------------------|
| Motor Power                  | 1.5 KW                         | 2.2 KW                         | 4 KW                                 |
| Power Type                   | Solar + Electric               | Solar + Electric               | Solar + Electric                     |
| Motor / Type                 | AC / BLDC                      | AC / BLDC                      | AC / BLDC                            |
| Cutting Capacity (kg/hr)     | 200 – 500                      | 500 – 1000                     | 1000 – 1500                          |
| Blade Type                   | High Carbon Steel (2–3 blades) | High Carbon Steel (3–4 blades) | Heavy Duty Hardened Steel (4 blades) |
| Cut Size Adjustment (mm)     | 6 – 25                         | 6 – 25                         | 6 – 25                               |
| Feed Mechanism               | Manual / Roller Feed           | Double Roller Feed             | Heavy Duty Roller Feed               |
| Solar Panel Requirement (kW) | 2                              | 3                              | 5                                    |
| Inverter Capacity (kW)       | 2.2                            | 3.5                            | 5                                    |
| Battery Backup (kWh)         | 4 – 5                          | 5 – 6                          | 6 – 8                                |
| Suitable Fodder              | Grass, Straw                   | Grass, Maize, Hay              | Grass, Maize, Sugarcane Tops         |
| Construction                 | MS Body                        | Heavy Duty MS Body             | Reinforced MS Frame                  |
| Safety Features              | Blade Guard                    | Blade Guard + Safety Cover     | Full Safety Guard + Emergency Stop   |

## SOLAR THRESHING MACHINE



### DESCRIPTION

The Solar Threshing Machine is designed to deliver high-performance threshing for large-scale agricultural and commercial operations. With an impressive production capacity of 1500–2000 kg per hour, the machine enables farmers and agri-processing units to handle large volumes of crops quickly and efficiently. Its powerful system ensures fast, consistent, and continuous output, making it highly suitable for demanding field conditions.

Powered through a solar-supported energy system, the machine uses four 500W solar panels to generate clean and renewable power. This setup significantly reduces dependency on grid electricity and lowers operational costs. In addition, the machine provides up to 4 hours of battery backup per charge, ensuring reliable performance even in areas where electricity supply is limited or during temporary power interruptions.

The machine operates within a power range of 1.0–20 HP, allowing it to handle heavy-duty threshing tasks with stability and efficiency. Its robust design ensures smooth crop separation while maintaining consistent throughput during long working hours.

One of the key advantages of this threshing machine is its portable and movable design. Unlike traditional fixed machines, it can be easily transported and repositioned according to field requirements. This makes it extremely practical for on-field threshing work, allowing farmers to process crops directly at the harvest site and reduce the need for additional transport.

Overall, the Solar Threshing Machine combines renewable solar power, high production efficiency, portability, and durable construction, making it an ideal solution for modern farming operations seeking cost-effective, energy-efficient, and reliable threshing performance.

| Parameter           | Specification                                    |
|---------------------|--|
| Product Name        | Solar Threshing Machine                          |
| Production Capacity | 1500 - 2000 kg hour                              |
| Power Range         | 1.0 - 20 HP                                      |
| Solar Panels        | 2 Panels (500W)                                  |
| Battery Backup      | Up to 4 Hours per Charge                         |
| Machine Type        | Portable & Movable                               |
| Usage               | Large-scale Agricultural & Commercial Operations |
| Operation           | Fast, Efficient & Continuous Output              |
| Application         | On-field threshing work                          |

## SOLAR HULLING MACHINE



### DESCRIPTION

The Solar Hulling Machine is designed to provide efficient and reliable grain processing for small to medium-scale agricultural operations. With a production capacity of 60–150 kg per hour, the machine is well-suited for daily processing needs in farms, small processing units, and rural enterprises. It ensures consistent output and smooth performance, helping users process grains effectively without frequent interruptions.

The machine operates using a solar-powered system equipped with 4 solar panels (500W), allowing it to generate clean and renewable energy for operation. This significantly reduces electricity costs and makes the machine ideal for areas where grid power is limited. Additionally, it offers up to 2 hours of battery backup per charge, ensuring the machine can continue working even during temporary power outages. When connected to solar panels, the system

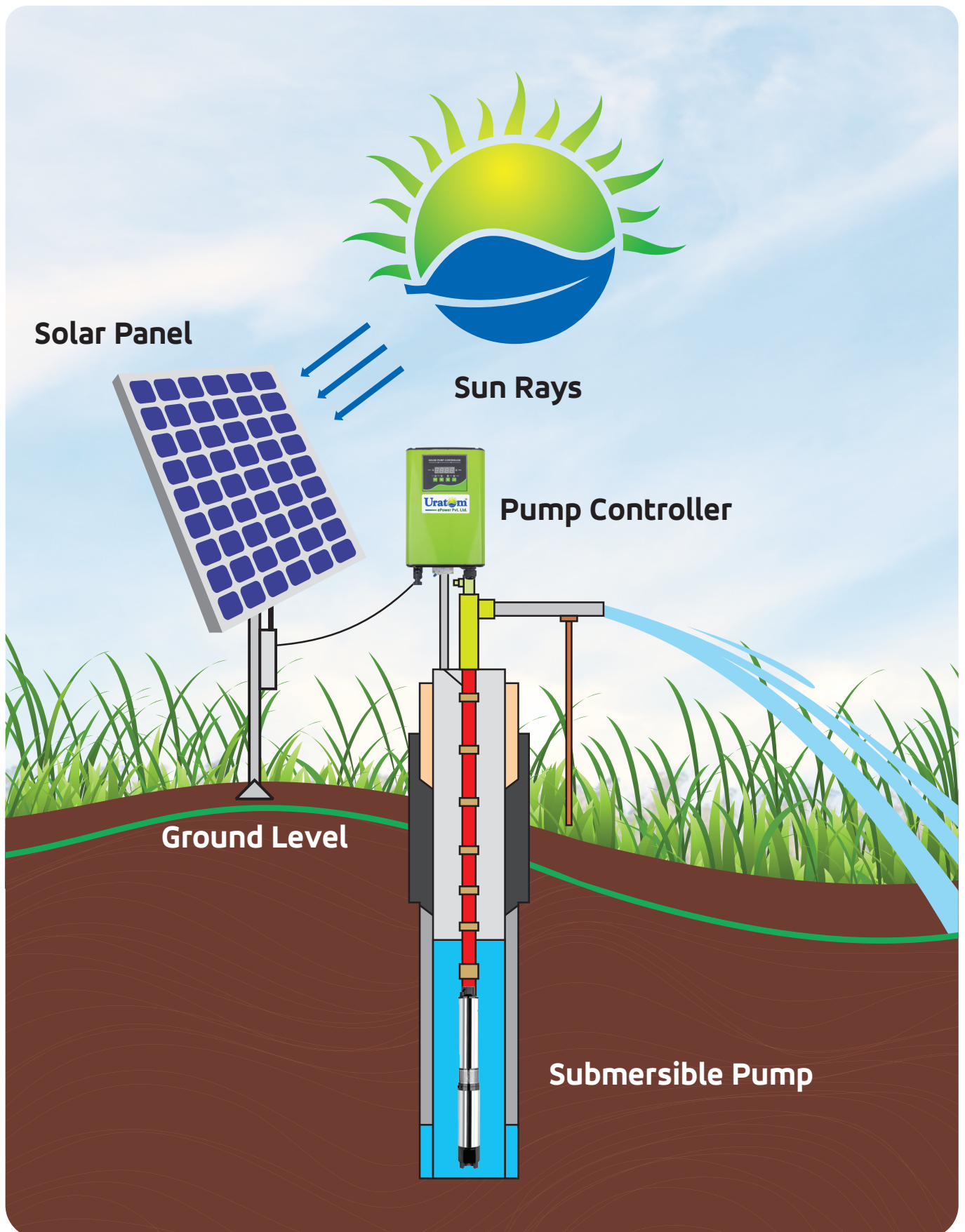
can run throughout the day, supporting continuous and energy-efficient processing.

Powered by a 2000W DC motor driver, the machine delivers stable and powerful performance while maintaining energy efficiency. The motor system ensures smooth operation during long working hours, helping maintain productivity and consistent grain quality.

Built as a stationary machine with a heavy-duty MS (mild steel) body, it provides strong structural stability and durability for long-term use. The robust construction allows the machine to withstand regular operation in demanding agricultural environments while maintaining reliable performance.

Overall, the Solar Hulling Machine combines solar energy efficiency, stable motor performance, durable construction, and practical capacity, making it an ideal solution for farms, rural processing units, and small-scale agricultural enterprises seeking a cost-effective and sustainable processing system.

| Parameter           | Specification                              |
|---------------------|--|
| Product Name        | Solar Hulling Machine                      |
| Production Capacity | 60 -150 kg hour                            |
| Power Range         | 1.0 - 20 HP                                |
| Solar Panels        | 4 Panels (500W )                           |
| Battery Backup      | Up to 2 Hours per Charge                   |
| Machine Type        | Stationary Machine                         |
| Construction        | Heavy Duty MS Body                         |
| Application         | Small to Medilum Scale Processing          |
| Usage               | Farms, Processing Units, Rural Enterprises |
| Operation           | Continuous & Energy Efficient              |







### **OFFICE & FACTORY**

URATOM EPOWER PVT. LTD.  
Survey No. 752/P1, National Highway 27,  
Near Chordi Village, Gondal - 360 311,  
Gujarat, INDIA.

### **UGANDA FACTORY & OFFICE**

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Plot no.8, Factory Street,  
Industrial area, Jinja - Uganda

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Off National Park East Gate Road, Nairobi.

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