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# 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 35 years of rich experience in solar solutions, "Hiramrut Group" is back with innovative products with impactful name (URATOM) Yes, Uratom Solar (India) Pvt. Ltd. (USIL) - AN ISO 9001: 2015 & ISO 14001 certified company. Is one of the largest manufacturer in Gujarat for eco-friendly & pollution free renewable energy products like Solar Water Heater, Solar Rooftop System, On 6 Off Grid Inverters, Solar Pumping System & EPC system. USIL is committed to manufacturer—quality, reliable, long life—solar products for clean & green environment for next generation.

Uratom Solar (India) Pvt. Ltd. Having a large working area of 18,210 Sq. Mtr., with automation for tank production, 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 R & D, USIL ensure high quality with higher efficiency solar products for domestic, commercial as well as industrial purpose. Also Uratom Rooftop Inverters are widely used in India. Production, drawing & designing is prepared & finalized under stringent supervision of qualified engineers.



Uratom have a India's First BIS Certificates in Single & Three Phase On Grid Inverters.

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 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.



## **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.

## **OUR VISION**

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

## **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.



## V3-CI Solar Submersible 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.	HP	Model	Head in Mtr.	Flow Rate in LPD	Outlet in Inch Outlet	Rated Voltage Rated	Solar Power Require
1	0.5	3CI-0530	30	9700	1"	48	700Wp(330W x 2)
2	1.0	3CI-1030	30	17300	1"	72	1000Wp(330W x 3)
3		3CI-1060	60	9700	1"	72	1000Wp(330W x 3)
4	2.0	3CI-2030	30	41500	1.25"	160	2000Wp(330W x 6)
5		3CI-2060	60	22000	1"	160	2000Wp(330W x 6)
6		3CI-2090	90	9700	1"	160	2000Wp(330W x 6)

### Material Description

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

## V3-SS Solar Submersible Pumps – BLDC/PMSM Stainless Steel



### Description

Uratom has specially design water-filled 6 pole BLDC/PMSM Stainless Steel submersible motor with Stainless steel fabricated bowl impeller 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 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.	HP	Model	Head in Mtr.	Flow Rate in LPD	Outlet in Inch Outlet	Rated Voltage Rated	Solar Power Require
1	0.5	V3SS-0530	30	10500	1.25"	48	700Wp(330W x 2)
2	1.0	V3SS-1030	30	18800	1.25"	72	1000Wp(330W x 3)
3		V3SS-1060	60	10500	1.25"	72	1000Wp(330W x 3)
4	2.0	V3SS-2030	30	45000	1.25"	160	2000Wp(330W x 6)
5		V3SS-2060	60	24000	1.25"	160	2000Wp(330W x 6)
6		V3SS-2090	90	10500	1.25"	160	2000Wp(330W x 6)

### Material Description

Sr. No	Parts Name	Material
1	Motor Base	Stainless Steel
2	Motor Upper Housing & Lower Housing	Stainless Steel
3	Pump N.R.V	Stainless Steel
4	Pump Suction	Stainless Steel
5	Bowl & Impeller	Stainless Steel



## V4-CI Solar Submersible Pumps – BLDC/PMSM Cast Iron Noryl Centrifugal Type



### Description

Uratom has specially design water-filled 8 pole BLDC/PMSM Cast Iron submersible motor and Noryl Bowl Impaler 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

- 12 slot 8 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 5 HP
- Head Range 10m to 130m
- Voltage 36V to 600V Range

SR. No.	HP	Model	Head in Mtr.	Flow Rate in LPD	Outlet in Inch Outlet	Rated Voltage Rated	Solar Power Require
1	0.5	4CI-0520	20	10000	1"	48	700Wp(330W x 2)
2		4CI-0540	40	5500	1"	48	700Wp(330W x 2)
3	1.0	4CI-120	20	35000	2.0"	72	1000Wp(330W x 3)
4		4CI-130	30	20000	1.5"	72	1000Wp(330W x 3)
5		4CI-150	50	11000	1.25"	72	1000Wp(330W x 3)
6		4CI-170	70	5500	1.25"	72	1000Wp(330W x 3)
7	2.0	4CI-220	20	84000	2.0"	160	2000Wp(330W x 6)
8		4CI-230	30	60000	2.0"	160	2000Wp(330W x 6)
9		4CI-260	60	28500	1.5"	160	2000Wp(330W x 6)
10		4CI-290	90	12500	1.25"	160	2000Wp(330W x 6)
11		4CI-2120	120	5500	1.25"	160V	2000Wp(330W x 6)
12	3.0	4CI-330	30	96000	2.5"	230	3000Wp(330W x 9)
13		4CI-350	50	60000	2.0"	230	3000Wp(330W x 9)
14		4CI-370	70	40000	1.5"	230	3000Wp(330W x 9)
15		4CI-3100	100	28500	1.25"	230	3000Wp(330W x 9)
16		4CI-3120	120	12600	1.25"	230	3000Wp(330W x 9)
17	5.0	4CI-530	30	150000	2.5"	380	5000Wp(330W x 15)
18		4CI-550	50	110000	2.0"	380	5000Wp(330W x 15)
19		4CI-570	70	75000	2.0"	380	5000Wp(330W x 15)
20		4CI-5100	100	52500	2.0"	380	5000Wp(330W x 15)
21		4CI-5130	130	20500	1.5"	380	5000Wp(330W x 15)
22	7.5	4CI-7530	30	301000	3.0"	300	7500Wp(330W x 24)
23		4CI-7550	50	252000	2.5"	300	7500Wp(330W x 24)
24		4CI-7570	70	126000	2.5"	300	7500Wp(330W x 24)
25		4CI-75100	100	91000	2.0"	300	7500Wp(330W x 24)
26		4CI-75130	130	72000	2.0"	300	7500Wp(330W x 24)
27	10	4CI-1030	30	339000	3.0"	380	10000Wp(330W x 30)
28		4CI-1050	50	252000	2.5"	380	10000Wp(330W x 30)
29		4CI-1070	70	193200	2.5"	380	10000Wp(330W x 30)
30		4CI-10100	100	126000	2.0"	380	10000Wp(330W x 30)
31		4CI-10130	130	91000	2.0"	380	10000Wp(330W x 30)

### Material Description

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

## V4-SS Solar Submersible Pumps – BLDC/PMSM Stainless Steel Noryl Centrifugal Type



### Description

Uratom has specially design water-filled 8 pole BLDC/PMSM Cast Iron submersible motor and Noryl Bowl Impaler 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

- 12 slot 8 pole Patented design
- V4-SS 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
- Head Range 10m to 130m
- Higher 3150 RPM
- Voltage 36V to 600V Range
- HP Range 0.25 HP to 5 HP



SR. No.	HP	Model	Head in Mtr.	Flow Rate in LPD	Outlet in Inch Outlet	Rated Voltage Rated	Solar Power Require
1	0.5	4SS-0520	20	10000	1"	48	700Wp(330W x 2)
2		4SS-0540	40	5500	1"	48	700Wp(330W x 2)
3	1.0	4SS-120	20	35000	2.0"	72	1000Wp(330W x 3)
4		4SS-130	30	20000	1.5"	72	1000Wp(330W x 3)
5		4SS-150	50	11000	1.25"	72	1000Wp(330W x 3)
6		4SS-170	70	5500	1.25"	72	1000Wp(330W x 3)
7	2.0	4SS-220	20	84000	2.0"	160	2000Wp(330W x 6)
8		4SS-230	30	60000	2.0"	160	2000Wp(330W x 6)
9		4SS-260	60	28500	1.5"	160	2000Wp(330W x 6)
10		4SS-290	90	12500	1.25"	160	2000Wp(330W x 6)
11		4SS-2120	120	5500	1.25"	160V	2000Wp(330W x 6)
12	3.0	4SS-330	30	96000	2.5"	230	3000Wp(330W x 9)
13		4SS-350	50	60000	2.0"	230	3000Wp(330W x 9)
14		4SS-370	70	40000	1.5"	230	3000Wp(330W x 9)
15		4SS-3100	100	28500	1.25"	230	3000Wp(330W x 9)
16		4SS-3120	120	12600	1.25"	230	3000Wp(330W x 9)
17	5.0	4SS-530	30	150000	2.5"	380	5000Wp(330W x 15)
18		4SS-550	50	110000	2.0"	380	5000Wp(330W x 15)
19		4SS-570	70	75000	2.0"	380	5000Wp(330W x 15)
20		4SS-5100	100	52500	2.0"	380	5000Wp(330W x 15)
21		4SS-5130	130	20500	1.5"	380	5000Wp(330W x 15)
22	7.5	4SS-7530	30	301000	3.0"	300	7500Wp(330W x 24)
23		4SS-7550	50	252000	2.5"	300	7500Wp(330W x 24)
24		4SS-7570	70	126000	2.5"	300	7500Wp(330W x 24)
25		4SS-75100	100	91000	2.0"	300	7500Wp(330W x 24)
26		4SS-75130	130	72000	2.0"	300	7500Wp(330W x 24)
27	10	4SS-1030	30	339000	3.0"	380	10000Wp(330W x 30)
28		4SS-1050	50	252000	2.5"	380	10000Wp(330W x 30)
29		4SS-1070	70	193200	2.5"	380	10000Wp(330W x 30)
30		4SS-10100	100	126000	2.0"	380	10000Wp(330W x 30)
31		4SS-10130	130	91000	2.0"	380	10000Wp(330W x 30)

### Material Description

Sr. No	Parts Name	Material
1	Motor Base	Stainless Steel
2	Motor Upper Housing & Lower Housing	Stainless Steel
3	Pump N.R.V	Stainless Steel
4	Pump Suction	Stainless Steel
5	Bowl & Impeller	SS304

## V3-3H & V4-4H Solar Submersible Pumps – BLDC/PMSM Cast Iron Helical Rotor Type



### Description

Uratom has specially design water-filled 8 pole BLDC/PMSM Cast Iron submersible motor and Helical Rotor pump with maximum utilization of solar energy during sunny days, BLDC PMSM motor set has 30% higher energy efficiency then conventional ac submersible pump. V3-3H & V4-4H series is suitable for 4.5" or above bore well dia

- 12 slot 8 pole Patented design
- V3-3H & v4-4H 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

#### V3-3H

SR. No.	Watt	Model	Head in Mtr.	Flow Rate in LPD	Outlet in Inch Outlet	Rated Voltage Rated	Solar Power Require
1	250	3H-0250	25	5000	1"	24	335 W

#### V4-4H

SR. No.	Watt	Model	Head in Mtr.	Flow Rate in LPD	Outlet in Inch Outlet	Rated Voltage Rated	Solar Power Require
1	300	4H-0330	30	6000	1"	24	330 W

### Material Description

Sr. No	Parts Name	Material
1	Motor Base	Casting iron
2	Motor Upper Housing & Lower Housing	Casting iron
3	Pump N.R.V	Casting iron
4	Pump Suction	Casting iron
5	Impeller	SS Helical Screw

## AC Solar Openwell



### 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

- 12 slot 8 pole Patented design
- Water Filled AC Motor
- Higher 2880 RPM
- HP Range 3.0 to 10 HP
- 50 Hz operation
- Flow Range upto 294000 LPD

SR. No.	HP	Model	Head in Mtr.	Flow Rate in LPD	Outlet in Inch Outlet	Rated Voltage Rated	Solar Power Require
1	3.0	OW320	20	134400	2.5"	220	9000Wp (330W x 9)
2	5.0	OW520	20	210000	2.5"	380	5000Wp (330W x 15)
3	7.5	OW7520	20	315000	3.0"	300	7500Wp (330W x 24)
4		OW7530	30	266000	3.0"	300	7500Wp (330W x 24)
5	10	OW1020	20	420000	3.0"	380	10000Wp (330W x 30)
6		OW1030	30	294000	3.0"	380	10000Wp (330W x 30)



## Self Priming Monoblock 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.

### Technical Specification

- 12 slot 8 pole Patented design
- Water Filled BLDC/PMSM Motor
- Higher 3150 RPM
- HP Range upto 1.0 HP
- 200 Hz operation

SR. No.	HP	Model	Head in Mtr.	Flow Rate in LPD	Outlet in Inch Outlet	Rated Voltage Rated	Solar Power Require
1	0.25	SP025	10	10500	1"	24	3000Wp(330W x 1)
2	0.5	SP050	20	10500	1"	48	7000Wp(330W x 2)
3	1.0	SP100	30	10500	1"	72	10000Wp(330W x 3)

## Surface Monoblock BLDC/PMSM Pumpset



### 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

- 12 slot 8 pole Patented design
- Water Filled BLDC/PMSM Motor
- Higher 3150 RPM
- HP Range 0.5 to 2.0 HP
- 200 Hz operation
- Flow Range upto 18000 LPD

SR. No.	HP	Model	Head in Mtr.	Flow Rate in LPD	Outlet in Inch Outlet	Rated Voltage Rated	Solar Power Require
1	0.5	MB050	10	56700	2.0"	48	700Wp(330W x 2)
2	1.0	MB100	10	88200	2.0"	72	1000Wp(330W x 3)
3	2.0	MB200	10	180000	2.5"	150	2000Wp(330W x 6)

## 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 AC, BLDC & PMSM motor
- Suitable for polycrystalline and monoperk solar panel
- Also available in AC & DC hybrid model



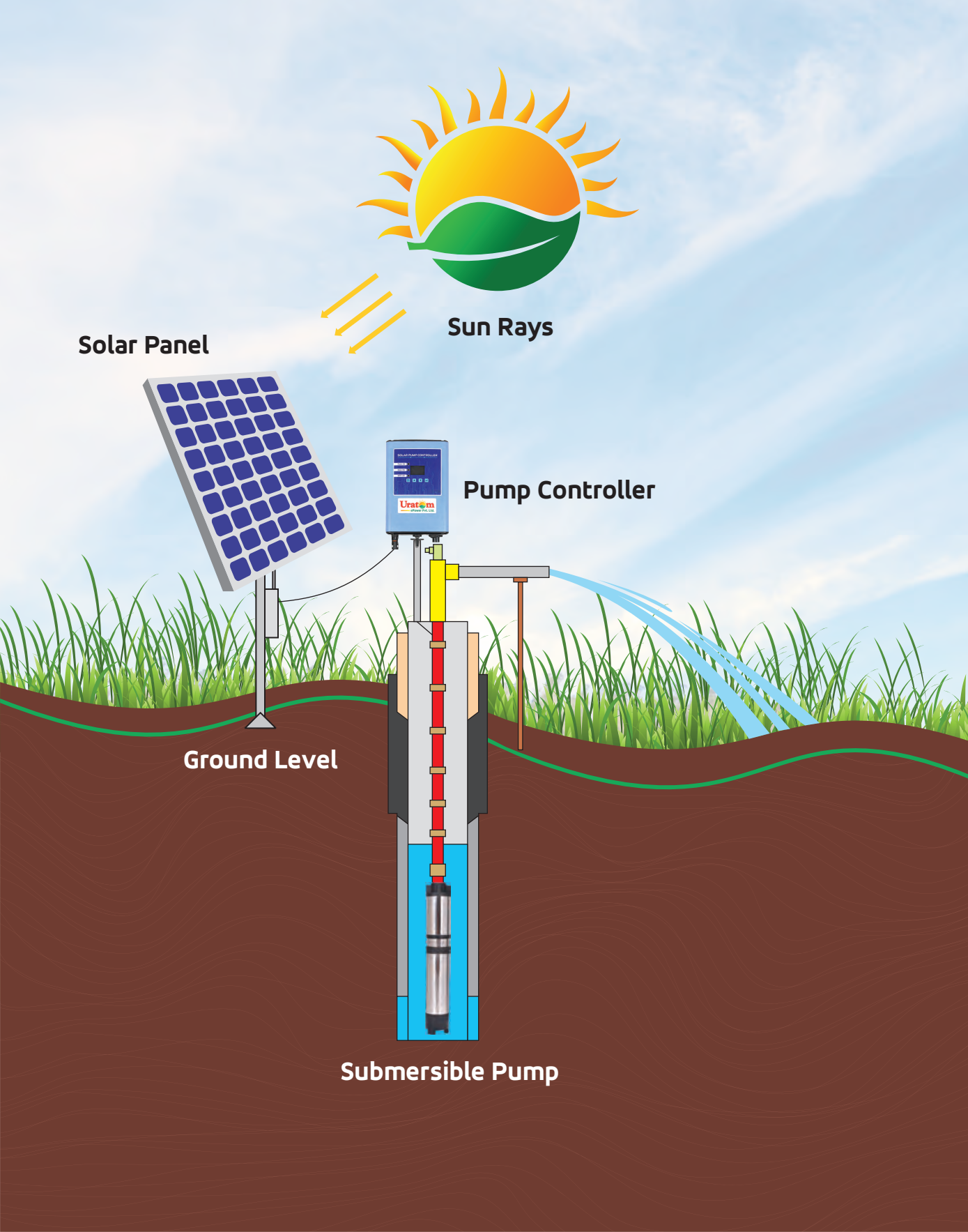
### 2.0 HP & 3.0 HP

- 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



### 5.0 HP, 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





## GST & Bank Details

### Uratom ePower Private Limited

GST No.	24AACCU8289J1ZS
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### Bank Details :

Bank Name :	HDFC Bank Limited
Account Name :	Uratom ePower Private Limited
Account Number :	50200059580964
IFSC Code :	HDFC0000550
Branch :	Gondal

### Terms & Condition Apply :

- 1) GST 12% Will Be Extra.
- 2) All the prices are ex-factory Rajkot — Gujarat.
- 3] Payment 100% Advance with clear commercial order.
- 4) Water outputs are on clear sunny days with three times solar panel tracking.
- 5) Breakage, shortage or loss in transient will be on buyer's scope.
- 6) All disputes subject Rajkot jurisdiction only.
- 7) 1 Year off site warranty against manufacturing defects.
- 8) During warranty period freight charges on buyers scope.

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EMPOWERING FUTURE WITH  
**SOLAR ENERGY**



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