

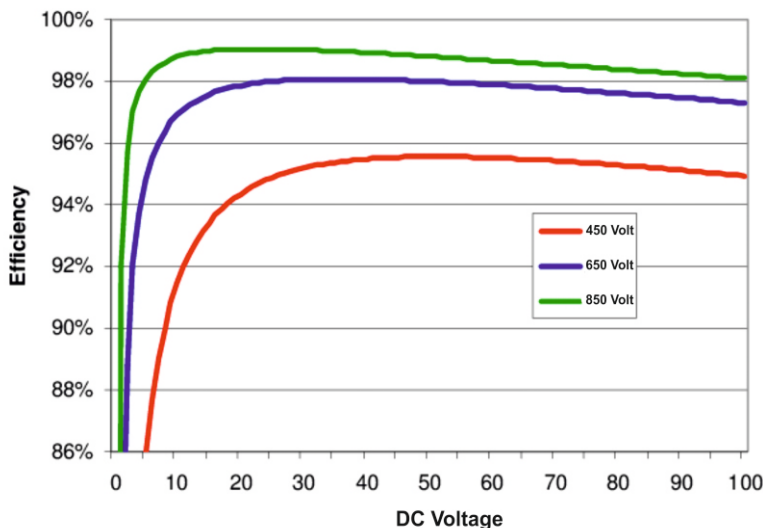
Uratom Series 4KW - 7.8KW

Three Phase Inverter

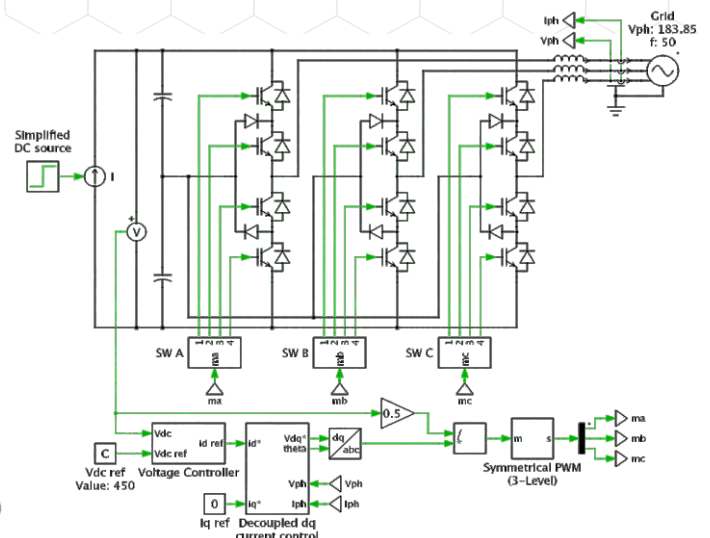


Features

- Fuse less & Fan less Design.
- Insulation Test for DC/AC around 3000VDC /1 Min.
- Components from World Renowned Suppliers.
- Automotive Class PCB Technology.
- Cap Sense Button Design for Harsh Environment.
- Integrated Streamlined Case Design with Elegant Appearance.
- Anti-Rust Enclosure.
- Lightweight, Compact Structure Design, Easy to Install.
- Remote Software Upgrade, Parameter Setting & Troubleshooting Query.
- Defeats Shading Effect by Global Peak Tracker Technology.



Inverter Efficiency Curve



3-Level NPC Topology

Technical Data

THREE PHASE INVERTERS									
UT- GTT Model	4KW	5KW	5.2KW	6KW	6.2KW	6.5KW	7KW	7.5KW	7.8KW
DC Input									
Max DC Power	4800W	6000W	6240W	7200W	7440W	7800W	8400W	9000W	9300W
MAX DC Voltage	1000V								
Operating Voltage Range (DC)	200-950V								
Full power MPPT voltage range	320-850V								
Rated Voltage DC	650V								
Startup Voltage	200V								
No of MPPT	1						2		
No of Strings per MPPT	1						1+1		
Max. permissible DC current / MPPT	12.5A						12.5A + 12.5A		
DC Connection Type	MC4 Connector								
AC Output									
Nominal AC Output power	4000W	5000W	5200W	6000W	6200W	6500W	7000W	7500W	7800W
Max AC Current	6A/Phase	8A/Phase	8A/Phase	9A/Phase	9A/Phase	9A/Phase	10A/Phase	11A/Phase	11A/Phase
Rated Voltage	415V / 50 Hz								
Operating voltage Range	330-470V Variable								
Operating Frequency Range	45-55Hz Variable								
AC connector configuration	3P+N+E								
Power Factor	0.8leading ~ 0.8lagging								
I THD	<2.3%								
Standby Consumption	<0.2W								
DC Current Injection	<0.5%								
Efficiency									
Peak efficiency	98.30%	98.30%	98.30%	98.30%	98.30%	98.30%	98.30%	98.30%	98.30%
Euro efficiency	97.60%	97.60%	97.60%	97.60%	97.80%	97.80%	97.80%	98.00%	98.00%
MPPT efficiency	99.90%	99.90%	99.90%	99.90%	99.90%	99.90%	99.90%	99.90%	99.90%
Features									
Display type (LED/LCD)	LCD Display with LED Indicators								
communication Port	RS 485 , WIFI , GSM(Optional)								
DC-AC conversion topology	Transformer-less								
Protections									
Ground fault monitoring	Enabled								
Over temperature	Enabled								
Power switch DC side	Enabled								
RCD monitoring	Enabled								
DC reverse polarity protection	Enabled								
Anti-Islanding Protection	Enabled								
Output Over Current Protection	Enabled								
Built in DC SPD type	TYPE III + II SPD + GDT								
Built in AC SPD type	TYPE III + II SPD + GDT								
Anti-PID feature	Optional								
Environmental Condition									
Operating Temperature Range	-25 ^o C + 60 ^o C (>50 ^o C Derating)								
Protection level (IP)	IP65								
Operating Elevation / Altitude	>_ 4000m								
Cooling	Natural Cooling								
Noise level dB	<30 dB								
Dimensions	455 * 390 * 190 mm							660 * 460 * 255 mm	
Weight	14KG	14KG	14KG	15KG	15KG	15KG	16KG	16KG	16KG
Warranty	5 years Standard Warranty								
Certificates	IS 16169, IS 16221 -1 & IS 16221 -2 (Former IEC 61727 , IEC 62116 , IEC 62109 -1/-2) , IEC 61683:1999 , IEC 60068-2 (1,2,14,30) , IEC 61000 -1-2-3-4								



Uratom Solar (India) Pvt. Ltd.

Works : Survey No. 752 P1, National Highway 27, Near Chordi Village, Gondal - 360 311, Gujarat, India,
 Email.: care@uratom.com Web : www.uratom.com Contact : +91 7888 00 7373 / 7474