

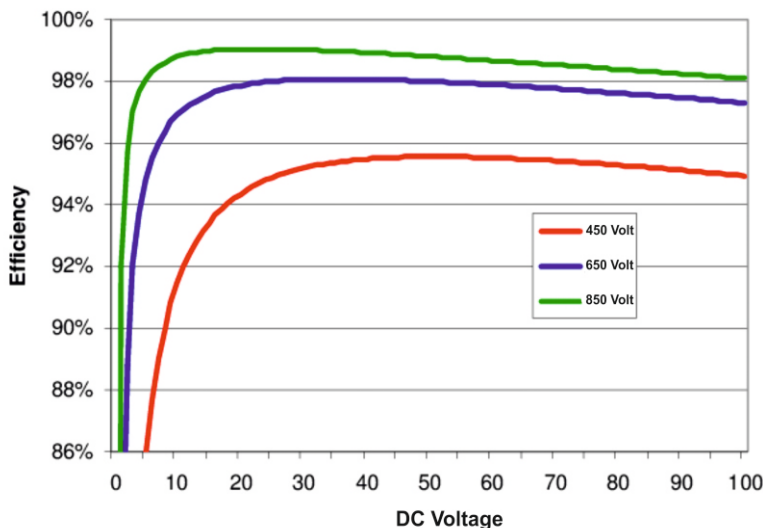
Uratom Series 8KW - 20 KW

Three Phase Inverter

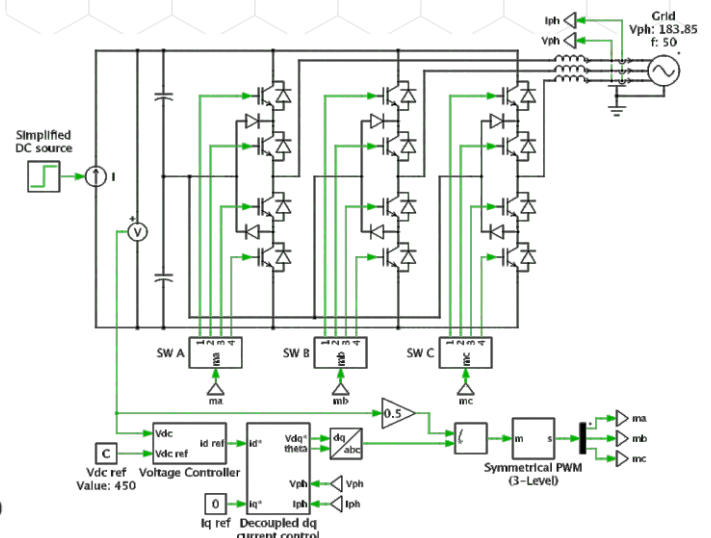


Features

- Fuse less & Fan less Design.
- Three Phase Protection Category: Type II + III SPD + GDT.
- NPC 3-Level Technology for Three Phase Inverters.
- Reduction of Balance of System cost (BOS) due to Integrated String Combiner Functionality.
- Defeats Shading Effect by Global Peak Tracker 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.



Inverter Efficiency Curve



3-Level NPC Topology

Technical Data

THREE PHASE INVERTERS								
UT- GTT Model	8KW	9KW	9.75KW	10KW	12KW	15KW	18KW	20KW
DC Input								
Max DC Power	9600W	10800W	11700W	12000W	14000W	18000W	21600W	24500W
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	2							
No of Strings per MPPT	1+1					2+2		
Max. permissible DC current / MPPT	12.5A + 12.5A					20A + 20A		
DC Connection Type	MC4 Connector							
AC Output								
Nominal AC Output power	8000W	9000W	9750W	10000W	12000W	15000W	18000W	20000W
Max AC Current	12A/Phase	13A/Phase	14A/Phase	15A/Phase	18A/Phase	22A/Phase	26A/Phase	30A/Phase
Rated Voltage	415V / 50Hz							
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%
Euro efficiency	97.60%	97.60%	97.60%	97.60%	98.00%	98.00%	98.00%	98.00%
MPPT efficiency	99.00%	99.00%	99.00%	99.00%	99.00%	99.00%	99.00%	99.00%
Features								
Display type (LED/LCD)	3.5 Inch 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° C + 60° C (>50° 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	18KG	18KG	21KG	21KG	25KG	25KG	38KG	38KG
Warranty	5 years Standard Warranty							
Certificates	IS 16169, IS 16221-1 & IS 16221-2 (Former IEC61727 , IEC62116 , IEC61000 -1-2-3-4 , IEC 62109-1/-2) , IEC61683:1999 , IEC 60068-2 (1,2,14,30), IEC 61000-1-2-3-4							



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