

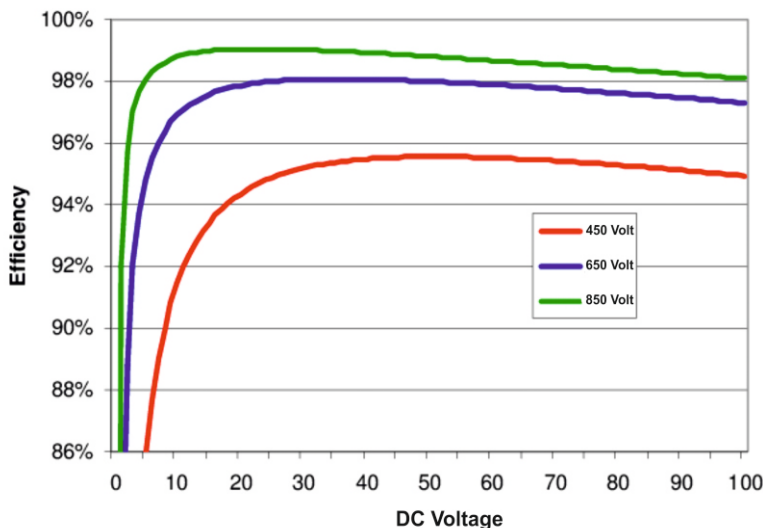
Uratom Series 25KW - 60KW

Three Phase Inverter

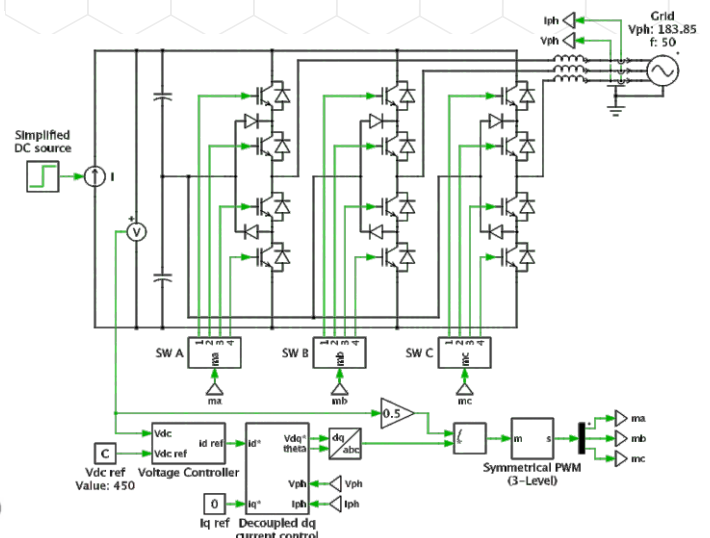


Features

- Fuse less & Fan less Design.
- Enhanced multiple MPPT algorithm, along with String level Monitoring.
- Three Phase Protection Category: Type II + III SPD + GDT.
- 5th Generation High Temperature & High Efficiency IGBT, Improving Overall Power Generation.
- Insulation Test for DC/AC around 3000VDC /1 Min.
- Double Modulation of Three Level SPWM & SVPWM, for Pure Sine Wave.
- NPC 3-Level Technology for Three Phase Inverters.
- Defeats Shading Effect by Global Peak Tracker Technology.



Inverter Efficiency Curve



3-Level NPC Topology

Technical Data

THREE PHASE INVERTERS						
UT- GTT Model	25KW	30KW	35KW	40KW	50KW	60KW
DC Input						
Max DC Power	30000W	36000W	42000W	48000W	60000W	72000W
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	3			3	4	4
No of Strings per MPPT	2+2+2			2+3+3	2+3+2+3	3+3+3+3
Max. permissible DC current / MPPT	25A+25A+25A			19A+28A+28A	19A+28A+19A+28A	28A+28A+28A+28A
DC Connection Type	MC4 Connector					
AC Output						
Nominal AC Output power	25000W	30000W	35000W	40000W	50000W	60000W
Max AC Current	36A/Phase	48A/Phase	52A/Phase	64A/Phase	80A/Phase	96A/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	98.20%	98.20%	98.10%	98.10%	98.50%	98.80%
Euro efficiency	97.60%	97.60%	98.00%	98.00%	98.10%	98.20%
MPPT efficiency	99.99%	99.99%	99.99%	99.99%	99.99%	99.99%
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	-25º C + 60º C (>50º C Derating)					
Protection level (IP)	IP65					
Operating Elevation / Altitude	>_ 4000m					
Cooling	Natural Cooling					
Noise level dB	<30 dB					
Dimensions	476 * 259 * 624 mm		476 * 259 * 743 mm		545 * 270 *782 mm	545 * 270 *782 mm
Weight	44KG	44KG	54KG	54KG	58KG	62KG
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					

