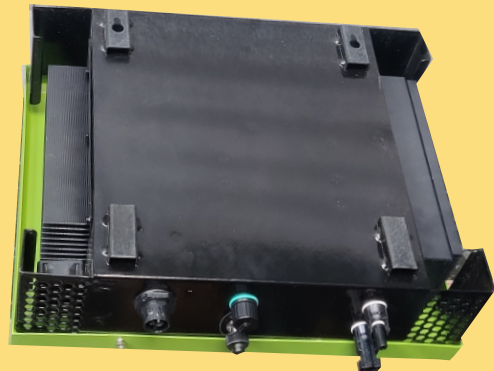


Processor 		+	 Optocoupler	 Transformer	+		
DC Switch 		+	 +	 +	+		Rectifier Diode 
AC / DC Snubber 		+				+	 IGBT 
SIC Diode 		+				+	 Inverter Inductor 
AC Current Sensor 		+				+	 Boost Inductor 
DC Current Sensor 		+				+	 Main Capacitor 
AC Relay 		+				 +	+
Surge Protector 		+	 AC Connector			+	 DC Connector 



Features

- Components from World Renowned Suppliers.
- Automotive Class PCB Technology.
- Integrated Streamlined Case Design with Elegant Appearance.
- Anti-Rust Enclosure.
- Lightweight, Compact Structure Design, Easy to Install.
- Durability and Longevity with IP65 Protection.
- Enhanced Multiple MPPT Algorithm, along with String level Monitoring.
- Defeats Shading Effect by Global Peak Tracker Technology.
- Reduction of Balance of System cost (BOS) due to Integrated String Combiner Functionality.
- Double Modulation of Three Level SPWM & SVPWM, for Pure Sine Wave.



- NPC 3-Level Technology for Three Phase Inverters.
- Proven H6-Bridge Level Topology for Single Phase Inverters.
- Fuse less & Fan less Design.
- Cap Sense Button Design for Harsh Environment.
- 5th Generation High Temperature & High Efficiency IGBT, Improving Overall Power Generation.
- Single Phase Protection Category: Type III SPD + GDT.
- Three Phase Protection Category: Type II + III SPD + GDT.
- WIFI and GPRS Remote Intelligent Monitoring System.
- Remote Software Upgrade, Parameter Setting & Troubleshooting Query.



Uratom Solar (India) Pvt. Ltd.

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		THREE PHASE INVERTERS							
UT- GTT Model	5KW	6KW	7KW	8KW	10KW	12KW	15KW	18KW	20KW
DC Input									
Max DC Power	6000W	7200W	8400W	9600W	12000W	14000W	18000W	21600W	24500W
MAX DC Voltage	1000V								
Operating Voltage Range (DC)	250-950V								
Full power MPPT voltage range	320-850V								
Rated Voltage DC	650V								
Start up Voltage	200V								
No of MPPT	1		2				2		
No of Strings per MPPT	1		1+1				2+2		
Max. permissible DC current / MPPT	12.5A		12.5A/12.5A				20A/20A		
DC Connection Type	MC4 Connector								
AC Output									
Nominal AC Output power	5000W	6000W	7000W	8000W	10000W	12000W	15000W	18000W	20000W
Max AC Current	8A/ Phase	9A/Phase	10A/Phase	12A/Phase	15A/Phase	18A/Phase	22A/Phase	26A/Phase	30A/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°C to + 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	16KG	16KG	18KG	18KG	18KG	18KG	21KG	38KG	38KG
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								