

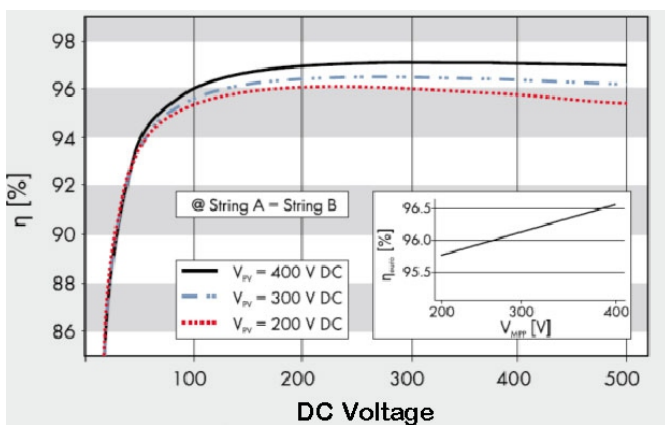
Uratom Series 3KW - 3.9KW

Single Phase Inverter

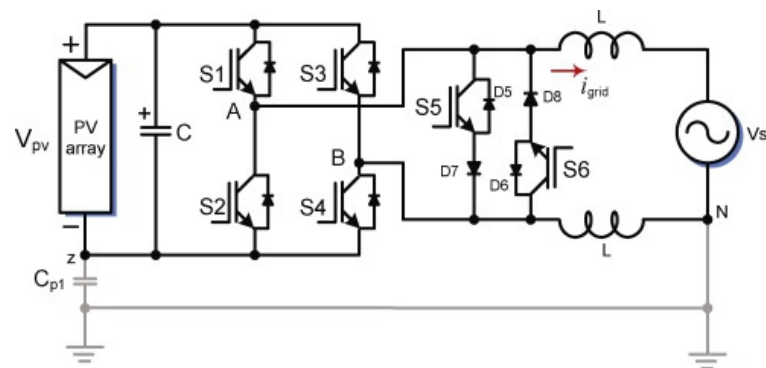


Features

- 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.
- Double Modulation of Three Level SPWM & SVPWM, for Pure Sine Wave.
- Proven H6-bridge level Topology for Single Phase Inverters.



Inverter Efficiency Curve



H-6 Bridge Level Topology

Technical Data

SINGLE PHASE INVERTERS					
UT- GTS Model	3KW	3.25KW	3.3KW	3.5KW	3.9KW
DC Input					
Max DC Power	3300W	3500W	3630W	3850W	4290W
MAX DC Voltage	550V				
Operating Voltage Range (DC)	90-450V				
Full power MPPT voltage range	120-450V				
Rated Voltage DC	300V				
Startup Voltage	70V				
Max. permissible DC current / MPPT	11A				11+11A
No of MPPT	1				2
No of Strings per MPPT	1				1+1
DC Connection Type	MC4 Connector				
AC Output					
Nominal AC Output power	3000W	3250W	3300W	3500W	3900W
Max AC Current	13A	14A	15A	16A	17A
Rated Voltage	230V / 50 Hz				
Operating voltage Range	140-290V Variable				
Operating Frequency Range	47-55Hz Variable				
AC connection configuration	P+N+E				
Power Factor	0.8 leading - 0.8 lagging				
I THD	<2%				
Self-consumption (Night)	<0.2W				
DC Current Injection	<0.25%				
Efficiency					
Peak efficiency	97.20%	97.20%	97.20%	97.20%	97.20%
Euro efficiency	96.60%	96.60%	96.60%	96.60%	96.60%
MPPT efficiency	99.20%	99.20%	99.20%	99.20%	99.20%
Features					
Display type (LED/LCD)	2 * 16 Character LCD Displaywith LED Indicators				
communication Port	RS 485, WIFI , GSM (Optional)				
DC –AC conversion topology	Transformer-less				
Protections					
Ground fault monitoring	Enabled				
Over temperature	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 SPD + GDT				
Built in AC SPD type	TYPE III SPD + GDT				
Anti-PID feature	Optional				
Power Switch DC side	Optional				
Environmental Condition					
Operating Temperature Range	-25 ⁰ C to + 60 ⁰ C (>50 ⁰ C Derating)				
Protection level (IP)	IP65				
Operating Elevation / Altitude	>_4000m				
Cooling	Natural Cooling				
Noise level dB	<30 dB				
Dimensions	283 * 343 * 119 mm				
Weight	8KG	8KG	8KG	8KG	8KG
Warranty	5 Years Standard Warranty				
Certificates	IS 16169, IS 16221-1 & IS16221-2 (Former IEC 61727 , IEC 62116 , IEC 62109-1/-2) , IEC61683:1999 , IEC 60068-2 (1,2,14,30), IEC 61000-1-2-3-4				

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