

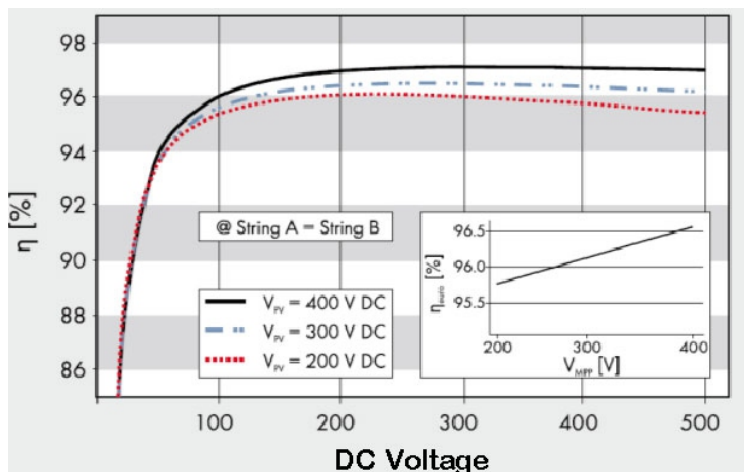
Uratom Series 1KW - 2.6KW

Single Phase Inverter

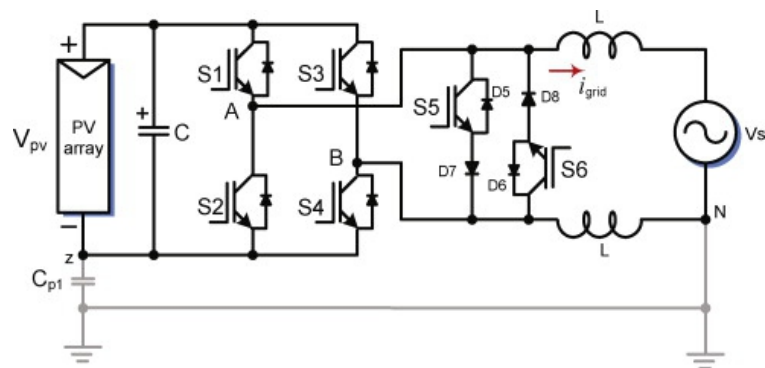


Features

- Fuse less & Fan less Design.
- 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.
- Single Phase Protection Category: Type III SPD + GDT.
- WIFI and GPRS Remote Intelligent Monitoring System.



Inverter Efficiency Curve



H-6 Bridge Level Topology

Technical Data

SINGLE PHASE INVERTERS						
UT- GTS Model	1KW	1.5KW	2KW	2.2KW	2.5KW	2.6KW
DC Input						
Max DC Power	1200W	1800W	2200W	2500W	2750W	2860W
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					
No of MPPT	1					
No of Strings per MPPT	1					
DC Connection Type	MC4 Connector					
AC Output						
Nominal AC Output power	1000W	1500W	2000W	2200W	2500W	2600W
Max AC Current	5A	9A	10A	11A	12A	12A
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	98.10%	98.10%	98.10%	97.30%	97.30%	97.30%
Euro efficiency	97.50%	97.50%	97.50%	98.80%	98.80%	98.80%
MPPT efficiency	99.50%	99.50%	99.50%	99.00%	99.00%	99.00%
Features						
Display type (LED/LCD)	2 * 16 Character 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					
RCD monitoring	Enabled					
DC reverse polarityprotection	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	6.5KG	6.5KG	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					

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