

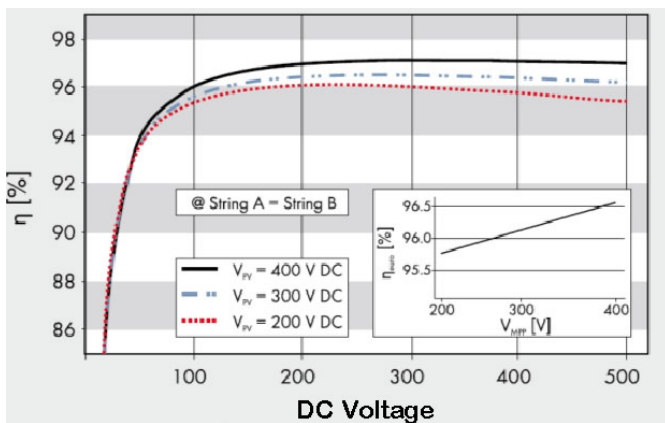
Uratom Series 5.2KW - 6.2KW

Single Phase Inverter

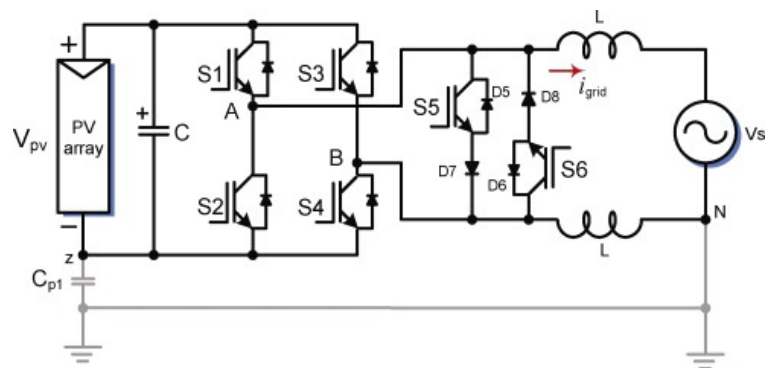


Features

- Fuse less & Fan less Design.
- Anti-Rust Enclosure.
- Double Modulation of Three Level SPWM & SVPWM, for Pure Sine Wave.
- Proven H6-bridge level Topology for Single Phase Inverters.
- Integrated Streamlined Case Design with Elegant Appearance.
- Single Phase Protection Category: Type III SPD + GDT.
- WIFI and GPRS Remote Intelligent Monitoring System.
- Remote Software Upgrade, Parameter Setting & Troubleshooting Query.
- Cap Sense Button Design for Harsh Environment.



Inverter Efficiency Curve



H-6 Bridge Level Topology

Technical Data

SINGLE PHASE INVERTERS				
UT- GTS Model	5.2KW	5.85KW	6KW	6.2KW
DC Input				
Max DC Power	5500W	6435W	6600W	6600W
MAX DC Voltage			600V	
Operating Voltage Range (DC)			90-500V	
Full power MPPT voltage range			120-450V	
Rated Voltage DC			300V	
Startup Voltage			90V	
Max. permissible DC current / MPPT			11A + 11A	
No of MPPT			2	
No of Strings per MPPT			1+1	
DC Connection Type			MC4 Connector	
AC Output				
Nominal AC Output power	5200W	5850W	6000W	6200W
Max AC Current	24A	25A	26A	27A
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%	98.10%
Euro efficiency	97.50%	97.50%	97.50%	97.50%
MPPT efficiency	99.50%	99.50%	99.50%	99.50%
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 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	395 * 330 * 185 mm			
Weight	15KG	15KG	15KG	15KG
Warranty	5 Years Standard Warranty			
Certificates	IS 16169, IS 16221-1 & IS16221-2 (Former IEC 61727 , IEC 62116 , IEC 621091/-2) , IEC61683:1999 , IEC 60068-2 (1,2,14,30), IEC 61000 -1-2-3-4			