

Solar INVERTER (1PH)



METRO

SALIENT FEATURES

- › DSP Based Design.
- › Pure Sine Wave Output with low Total Harmonic Distortion (THD).
- › High End Microcontroller based design.
- › High Efficiency & High reliability.
- › Pulse by pulse current limiting with auto-reset resulting in efficient overload and short circuit protection.
- › Battery pole reversal protection & battery deep discharge protection.
- › High surge capability (upto 300%) for starting heavy load.
- › Noiseless in operation.
- › User- friendly display.
- › Peak efficiency > 90%.
- › Hybrid option available.

APPLICATIONS

- › Our solar inverter finds application in the following areas.
- › Fans , TV and Tube lights
- › Computer , Printer and Fax machines
- › IT/ITES
- › Deep freezer, Air Conditioners, Microwave
- › Industrial drive & Motors
- › Telecom
- › Lift application



Range: 2KW to 10KW

TECHNICAL SPECIFICATIONS

Type	Single Phase Solar Inverter						
Series	Solar Sine Wave Inverter						
Technology	DSP Based PWM Technology						
Ratings	2KW	3KW	4KW	5KW	6KW	7.5KW	10KW
Model No.	SI12K	SI13K	SI14K	SI15K	SI16K	SI17.5K	SI110K
INPUT PARAMETERS							
Nominal input Voltage	48V DC	96V DC	120V DC	180V DC			
Input Voltage Range (DC)	44-60V	88-120V	110-150V	165-225V			
OUTPUT PARAMETERS							
Voltage Regulation	230±2% / 110±2%						
Frequency Regulation	50Hz/60Hz ± 0.05Hz						
Efficiency	>87%						
Output Waveform	Pure Sine Wave						
Total Harmonic Distortion	<3% (On Linear Loads)						
Crest Factor	>4:1						
ENVIRONMENTAL PARAMETERS							
Operating Temperature	0°C to 45°C						
Acoustic Noise (at 1 mts)	<55dB						
Relative Humidity	0-95% Non-Condensing						

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