

Solar INVERTER (3PH)



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: 10KW to 100KW

TECHNICAL SPECIFICATIONS

Type	Three Phase Solar Inverter							
Series	Solar Sine Wave Inverter							
Technology	DSP Based PWM Technology							
Ratings	10KW	20KW	30KW	40KW	50KW	60KW	80KW	100KW
Model No.	SI310K	SI320K	SI330K	SI340K	SI350K	SI360K	SI380K	SI3100K
INPUT PARAMETERS								
Nominal input Voltage	360V DC							
Input Voltage Range (DC)	330V-450V							
OUTPUT PARAMETERS								
Voltage Regulation	230V ± 2% (P-N), 400V ± 2% (P-P)							
Frequency Regulation	50Hz / 60Hz ± 0.05Hz							
Efficiency	>92%							
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)	<65dB							
Relative Humidity	0-95% Non-Condensing							

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