

SOLAR POWER CONDITIONING UNIT

TECHNICAL SPECIFICATION

MODEL	SH1K	SH2K	SH3K	SH4K	SH5K	SH6K	SH7.5K	SH10K
RATING	1KVA	2KVA	3KVA	4KVA	5KVA	6KVA	7.5KVA	10KVA
Technology	DSP based High frequency PWN Inverter with Solar Priority							
Applicable Standards	IEC 61683, IEC 60068-2-1-2/14/30 & IEC 60529							
INVERTER								
DC Voltage	24V /48V			24V/48V			96V/180V	
Output Voltage Regulation	220V/230V; +/- 2%							
Frequency	50 HZ; +/- 0.5 Hz							
Output Wave form	Sine Wave							
Voltage THD	>3% on liner load							
Inverter Efficiency	>=88%							
Cold Start Feature	Available							
Protection	Short Circuit , Overload , Under /Over Volt, High Surge							
GRID CHARGER								
Input Voltage Range	150V- 270V; Single Phase (Other Wider range available on request)							
Frequency Range	45Hz - 55Hz							
Type	CVCC type (upto 20Amp.)							
Supply	From Electrical Mains /DG set supply (Generator Compatible)							
SOLAR CHARGE CONTROLLER								
Solar Charge Controller	PWM /MPPT type charger							
Protection	Battery Reverse, Solar Reverse Polarity , Battery Deep Discharge Over charge , Over Temperature							
Charging Current	Upto 40Amps							
OTHER PARAMETERS								
Metering Indication	Solar ON , Mains ON , Battery Low Over Load , Inverter Faulty , Battery Mode , All input /output parameters							
Audible Noise	<55 Db AT 1mtr distance							
Temperature Range	0 ^o C to 45 ^o C							
Relative Humidity	10-95% RH non-condensing							
Communication (Optional)	RS232/USB Com Port and SNMP adaptor for remote monitoring							

* Product upgradation is a continuous process, hence, data in this product catalogue is subject to change without prior notice.

** These specifications are for a standard Product. Customized specifications can be offered against specific requirements.