

SOLAR POWER CONDITIONING UNIT (THREE PHASE)

TECHNICAL SPECIFICATION						
MODEL	SH10K	SH20K	SH25K	SH30K	SH40K	SH60K
RATING	10KVA	20KVA	25KVA	30KVA	40KVA	60KVA
Technology	DSP based High frequency PWM Inverter with Solar Priority					
Switching Device	IGBT					
INVERTER						
DC Voltage	240V	360V	360V	360V	360V	360V
Output Voltage Regulation	400V/415V; +/- 2%					
Frequency	50 HZ ; +/- 0.5 Hz					
Output Wave form	Sine Wave					
Voltage THD	< 3% on liner load					
Inverter Efficiency	>=90%					
Power Factor	0.8					
Protection	Short Circuit , Overload , Under /Over Volt, High Surge					
GRID CHARGER						
Input Voltage Range	340V- 470V; Three Phase four wire					
Frequency Range	45Hz - 55Hz					
Type	CVCC type Buck converter					
Supply	From Electrical Mains /DG set supply (Generator Compatible)					
SOLAR CHARGE CONTROLLER						
Solar Charge Controller	IGBT based MPPT type Buck charger					
SPV Array Rating (Wp)	10KWp	20KWp	25KWp	30KWp	40KWp	60KWp
SPV VoC (Max)	520V	740V	740V	740V	740V	740V
Protection	Battery Reverse, Solar Reverse Polarity , Battery Deep Discharge Over charge , Over Temperature					
OTHER PARAMETERS						
LED Indication	Solar ON , Mains ON , Battery Low Over Load , Inverter Faulty , Battery Mode					
LCD Display	All input /output parameters, Solar Kw/hr , System Status					
Temperature Range	0°C to 45°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.