

SOLAR HYBRID INVERTOR



TECHNICAL SPECIFICATIONS

MODEL	SH800	SH1200	SH2000	SH3000
Specifications	800VA, 12V	1250VA, 24 V	2000VA, 48 V	3000VA, 48 V
GRID				
AC Input Range(For Charging)	100 -260 Volts			
Frequency	50+/_ 2% Hz			
Battery Voltage	12 V	24V	48V	48V
Charging Current	10 A Max	10A Max	10A Max	10A Max
INVERTER				
Out Put Voltage	220 Volts at 50Hz			
Voltage Regulation	+/- 5%			
Technology	HI Freq. PWM, TFR LESS		H Freq. PWM, WITH TFR	
Wave Form	Sine Wave			
Invertor Efficiency	>85%	> 85%	> 80%	> 80%
Power Factor	0.8 Lagging			
Over Load	100% Continuous, 120% for 20 sec with auto restart .			
Status Display LED/LCD	Solar ON /OFF , MAINS ON/OFF , LOAD ON SOLAR/MAINS ,POWER IN WATTS.			
Audible Alarm				
Dimension (L*B*H)	350*310*175 (mm)			
MPPT CHARGE CONTROLLER				
Solar Panel Voltage	14- 21 VDC(500Wp)	28-45 VDC(1000Wp)	56-72 VDC(1500Wp)	56-72 VDC(2000Wp)
Out Put Voltage	14.5VDC	28.5VDC	56VDC	56VDC
Controller Current	30 A Max	30 A Max	30 A Max	40 A Max
Controller Mode	Maximum Power Point Tracking			
Efficiency	>95%			
Topology	Micro controller based Buck Topology. P&O Method			
Protections	Battery Over Charge, Over Temperature, Short circuit,			
Operating Temp	0 to 45 Degree C			
Indications	PV,MAINS,SOLAR POWER, LOAD ON SOLAR.			

Blue Chip Energy Solutions (P) LTD

(An ISO 9001:2008 Certified Company)

Reg office: E-57 Ground Floor Chattarpur Extn., New Delhi-110074 Tel: 9555737270,
011-26807270, 71 :9555737270, 9711187194, 195.www.bluechipenergy.in, info@bluechipenergy.in
Factory : P1/05, SRC Industrial Park, Prithala, Faridabad, Haryana-121101, Mob: +91-9711187194

