



Inverter



10 Year
Warranty



High
Efficiency



Back up
Capability



Online
Monitoring



AFTER SALES SUPPORT 1300 886 605

PROTECT YOUR WARRANTY

This unit must be installed by a registered, licensed installer as required by Government regulations.

PV Input

Model Number	SP-4.6KW-HBI	SP-5KW-HBI	SP-5.5KW-HBI
Ppv Max (W)	6900	7500	8300
Vmax PV (Vdc) (absolute Max.)		550	
Min. Operating Voltage (Vdc)		100	
Start-up Voltage (Vdc)		100	
MPPT voltage range (Vdc)		80-500	
Vdc range @ full power (Vdc)	130 - 500	150-500	160-500
Isc PV (absolute Max.) (A)		26 x 2	
Max. PV input current (A)		18.5 x 2	
Number MPP trackers		2	
Number input strings		1/1	

Battery (charge/discharge)

Battery type	Li-ion/Lead-acid		
Battery Normal Voltage (Range) (Vdc)	51.2V (40-60V)		
Max charge/discharge Current (A)	80		
Max charge/discharge Power (W)	4600	4800	4800

AC Grid (input and output)

Normal AC Voltage (V)	L/N/PE, 230 Vac		
Frequency (Hz)	50		
Normal AC Current (A)	20	21.8	24
Max. cont. input/output current (A)	22	23	26
Rated Power (W)	4600	5000	5500
Rated Apparent Power (VA)	4600	5000	5500
Max. cont. Power (W)	4600	5000	5500
Max. cont. Apparent Power (VA)	4600	5000	5500
Power factor	1.0 (- 0.8 - + 0.8 adjustable)		
Max. efficiency (%)	97.6		

AC Load Output (Stand Alone)

Normal Voltage (V)	L/N/PE, 230 Vac		
Frequency (Hz)	50		
Nominal Current (A)	20	21.8	24
Max. cont. current (A)	22	23	26
Max. cont. Power (W)	4600	5000	5500
Rated Apparent Power (VA)	4600	5000	5500
Max. cont. Apparent Power (VA)	4600	5000	5500
Power factor	1.0		

Other

Ingress protection (IP)	IP65		
Protective class	Class I		
Temperature (°C)	-25°C to +60°C (Derating 45°C)		
Inverter Isolation	Non-isolated (PV-AC-BAT)		
Overvoltage category	OVC III (AC Main), OVC II (PV)		
Maximum altitude (m)	2000		
Weight (kg)	17		
Dimensions (W x H x D) (mm)	370 x 513 x 192		
Firmware	V06		