

SPF 4~12KT HVM-MPV

Low frequency, 230Vac output



Datasheet	SPF 4KT HVM-MPV	SPF 5KT HVM-MPV	SPF 6KT HVM-MPV	SPF 8KT HVM-MPV	SPF 10KT HVM-MPV	SPF 12KT HVM-MPV
Battery Voltage	48VDC					
Battery Type	Lithium/Lead-acid					

Inverter Output

Rated Power	4KW	5KW	6KW	8KW	10KW	12KW
Surge Rating	12KW	15KW	18KW	24KW	30KW	36KW
Waveform	Pure sine wave/ same as input(bypass mode)					
Nominal Output Voltage RMS	220V/230V/240VAC(+/-10% RMS)					
Output Frequency	50Hz/60Hz +/-0.3 Hz					
Inverter Efficiency(Peak)	>85%					
Line Mode Efficiency	>95%					
Power Factor	1.0					
Transfer Time	10ms typical, 20ms Max					

SOLAR CHARGER

Maximum PV Charge Current	80A			120A		
Maximum PV Array Power	5000W			7000W		
Number of independent MPP trackers/ strings per MPP tracker	1/1			2/1		
MPPT Range @ Operating Voltage	60~245VDC					
Maximum PV Array Open Circuit Voltage	250VDC					
Maximum Efficiency	>98%					

AC INPUT

Voltage	230VAC					
Selectable Voltage Range	154~272VAC(for appliances);184~272VAC(for UPS)					
Frequency Range	50Hz/60Hz (Auto sensing)					
Maximum Charge Current	40A	50A	60A	70A	80A	100A

MECHANICAL SPECIFICATIONS

Protection Degree	IP20					
Dimensions (W/H/D)	360/540/218mm			380/650/255mm		
Net Weight (Solar CHG)	38kg	41kg	45kg	64kg	66kg	75kg

OPERATING ENVIRONMENT

Operation Temperature Range	0°C to 45°C					
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