

# SPF 4~12KT HVM

- Integrated MPPT charge controller
- Optional WIFI/ GPRS remote monitoring
- Built-in pure copper low frequency transformer
- Configurable grid or solar input priority



P O W E R  
- I N G O  
T O M O -  
R R O W O

**GROWATT**

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Datasheet	SPF 4KT HVM	SPF 5KT HVM	SPF 6KT HVM	SPF 8KT HVM	SPF 10KT HVM	SPF 12KT HVM
Battery Voltage	48VDC	48VDC	48VDC	48VDC	48VDC	48VDC
Battery Type	Lithium/Lead-acid	Lithium/Lead-acid	Lithium/Lead-acid	Lithium/Lead-acid	Lithium/Lead-acid	Lithium/Lead-acid
<b>INVERTER OUTPUT</b>						
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%			>88%		
Line Mode Efficiency	>95%					
Power Factor	1.0					
Transfer Time	10ms typical , 20ms Max					
<b>SOLAR CHARGER</b>						
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	60~145VDC					
Maximum PV Array Open Circuit Voltage	150VDC					
Maximum Efficiency	>98%					
<b>AC INPUT</b>						
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
<b>MECHANICAL SPECIFICATIONS</b>						
Protection Degree	IP20					
Dimensions (W/H/D)	360/540/218mm			380/650/255mm		
Net Weight (Solar CHG) kg	38	41	45	64	66	75
<b>OPERATING ENVIRONMENT</b>						
Operation Temperature Range	0°C to 45°C					