

SPF 4000T~12000T HVM

- Built-in MPPT solar charge controller
- WIFI/GPRS remote monitoring
- Built-in pure copper low frequency transformer
- Smart function and parameter setting via LCD button



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



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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 |
| 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% | | | >88% | | |
| 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 | 60~145VDC | | | | | |
| Maximum PV Array Open Circuit Voltage | 150VDC | | | | | |
| 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) kg | 38 | 41 | 45 | 64 | 66 | 75 |
| OPERATING ENVIRONMENT | | | | | | |
| Operation Temperature Range | 0°C to 45°C | | | | | |