

SPF 4000~18000T DVM-MPV

- Support 120/240Vac Split Phase output
- Integrated MPPT charge controller
- Optional WIFI/ GPRS remote monitoring
- Built-in pure copper low frequency transformer
- Configurable grid or solar input priority



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P O W E R
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T O M O R R O W

| Datasheet | SPF 4000T DVM-MPV | SPF 5000T DVM-MPV | SPF 6000T DVM-MPV | SPF 8000T DVM-MPV | SPF 10000T DVM-MPV | SPF 12000T DVM-MPV | SPF 18000T DVM-MPV |
|--|--|-------------------|-------------------|-------------------|--------------------|--------------------|--------------------|
| Battery voltage | 48VDC | | | | | | |
| Battery type | Lithium/Lead-acid | | | | | | |
| Inverter output | | | | | | | |
| Rated power | 4KW | 5KW | 6KW | 8KW | 10KW | 12KW | 18KW |
| Surge rating | 12KW | 15KW | 18KW | 24KW | 30KW | 36KW | 54KW |
| Waveform | Pure sine wave/ same as input (bypass mode) | | | | | | |
| Nominal output voltage rms | 104~110~115~120/208~220~230~240VAC(optional) | | | | | | |
| Output frequency | 50Hz/60Hz +/-0.3 Hz | | | | | | |
| Inverter efficiency (peak) | >85% | | | | | | |
| Transfer time | 10ms(max) | | | | | | |
| Solar charger | | | | | | | |
| Maximum PV charge current | 80A | | | 120A | | | 240A |
| Maximum PV array power | 5000W | | | 7000W | | | 1400W |
| Number of independent MPP trackers/strings per MPP tracker | 1/1 | | | 2/1 | | | |
| MPPT Range @ Operating Voltage(VDC) | 60~245VDC | | | | | | |
| Maximum PV Array Open Circuit Voltage | 250VDC | | | | | | |
| Maximum efficiency | >97.5% | | | | | | |
| AC input | | | | | | | |
| Voltage | 240VAC | | | | | | |
| Selectable voltage range | 184~272VAC(UPS);154~272VAC(APL) | | | | | | |
| Frequency range | 50Hz/60Hz (Auto sensing) | | | | | | |
| Max. charging current | 40A | 50A | 60A | 70A | 80A | 100A | 100A |
| Mechanical specifications | | | | | | | |
| Protection degree | IP20 | | | | | | |
| Dimensions (W/H/D) | 360/540/218mm | 360/540/218mm | 360/540/218mm | 380/650/225mm | 380/650/225mm | 380/650/225mm | 420/780/250mm |
| Weight | 42kg | 47kg | 52kg | 64kg | 66kg | 75kg | 105kg |
| Operating environment | | | | | | | |
| Operation temperature range | 0°C to 45°C | | | | | | |