

# 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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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						
<b>Inverter output</b>							
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)						
<b>Solar charger</b>							
Maximum PV charge current	80A			120A			240A
Maximum PV array power	5000W			7000W			14000W
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%						
<b>AC input</b>							
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
<b>Mechanical specifications</b>							
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
<b>Operating environment</b>							
Operation temperature range	0°C to 45°C						