

# SPF 6000/12000T DVM-US MPV

- Low frequency inverter 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
- Generator connection available



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Datasheet	SPF 6000T DVM-US MPV	SPF 12000T DVM-US MPV
Battery Voltage	48VDC	
Battery Type	Lithium/Lead-acid	
<b>INVERTER OUTPUT</b>		
Rated Power	6KW	12KW
Surge Rating	18KW	36KW
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 +/-0.5 Hz	
Inverter Efficiency(Peak)	88%	
Transfer Time	10ms	
<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(VDC)	60~245VDC	
Maximum PV Array Open Circuit Voltage	250V	
Maximum Efficiency	97%	
<b>AC INPUT</b>		
Voltage	240VAC	
Selectable Voltage Range	184~272VAC(UPS);154~272VAC(APL)	
Frequency Range	50Hz/60Hz (Auto sensing)	
Max. Charging Current	60A	100A
<b>MECHANICAL SPECIFICATIONS</b>		
Protection Degree	IP20/NEMA Type 1	
Dimensions (W/H/D)	360/540/218mm (14.2/21.3/8.6in)	380/650/225mm (15/25.6/8.6in)
Weight	52kg(114.6lb)	75kg(165.3lb)
<b>OPERATING ENVIRONMENT</b>		
Operation Temperature Range	0°C - 50°C(32°F- 122°F)	
Altitude	<2000m(6561.6ft)	
Warranty	2 Years	
UL 1741		