

SPF 4000T~12000T DVM-US

- 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



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

GROWATT

<https://us.growatt.com>

Datasheet	SPF 4000T DVM-US	SPF 5000T DVM-US	SPF 6000T DVM-US	SPF 8000T DVM-US	SPF 10000T DVM-US	SPF 12000T DVM-US
Battery Voltage	48VDC					
Battery Type	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	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		
Maximum PV Array Power	5000W			7000W		
Number of independent MPP trackers/ strings per MPP tracker	1/1			2/1		
MPPT Range @ Operating Voltage(VDC)	60~145VDC			60~145VDC		
Maximum PV Array Open Circuit Voltage	150VDC			150VDC		
Maximum Efficiency	>98%			>98%		
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
Mechanical Specifications						
Protection Degree	IP20/NEMA Type 1					
Dimensions (W/H/D)	360/540/218mm (14.2/21.3/8.6in)	360/540/218mm (14.2/21.3/8.6in)	360/540/218mm (14.2/21.3/8.6in)	380/650/225mm (15/25.6/8.6in)	380/650/225mm (15/25.6/8.6in)	380/650/225mm (15/25.6/8.6in)
Weight	42kg(92.6lb)	47kg(103.6lb)	52kg(114.6lb)	64kg(141.1lb)	66kg(145.5lb)	75kg(165.3lb)
Operating Environment						
Operation Temperature Range	0°C - 50°C(32°F- 122°F)					
Warranty	2 Years					
UL 1741						