

SPF 6000 ES Plus

- Plug-and-Play terminal for PV port
- Dual MPP trackers
- Maximum PV input voltage up to 500VDC
- Configurable grid or solar input priority
- Parallel for scalability
- Dust-proof filter for harsh environment
- Two AC input terminals with integrated transfer switch



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Datasheet	SPF 6000 ES Plus
Battery Voltage	48VDC
Battery Type	Lithium/Lead-acid
Inverter Output	
Rated Power	6000VA/6000W
Parallel Capability	Yes, 6 units maximum
AC Voltage Regulation (Battery Mode)	230VAC \pm 5% @ 50/60Hz
Surge Power	12000VA
Efficiency (Peak)	93%
Waveform	Pure sine wave
Transfer Time	10ms typical, 20ms Max
Solar Charger	
Maximum PV Array Power	8000W
MPPT Range @ Operating Voltage	120VDC ~ 450VDC
Number of Independent MPP Trackers/ Strings Per MPP Tracker	2/1
Max. input current per MPP tracker	16A
Maximum PV Array Open Circuit Voltage	500VDC
Maximum Solar Charge Current	100A
AC Charger	
Charge Current	80A
AC Input Voltage	230VAC 170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)
Frequency Range	50Hz/60Hz (Auto sensing)
Physical	
Protection Degree	IP20
Dimension (D/W/H)	460/395/132mm
Net Weight (kgs)	13.5
Operating Environment	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Altitude	<2000m
Operating Temperature	0°C - 55°C
Storage Temperature	-15°C - 60°C