

# 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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P O W E R  
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T O M O -  
R R O W O

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 ± 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
Selectable Voltage Range		170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)
Frequency Range		50Hz/60Hz (Auto sensing)
Physical		
Protection Degree		IP20
Dimension (W/H/D)		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