

SPF 5000 ES

- Integrated MPPT charge controller
- It can work with battery or without battery
- Maximum PV input voltage up to 450VDC
- Configurable grid or solar input priority
- Optional WIFI/ GPRS remote monitoring
- Parallel for scalability



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

Datasheet**SPF 5000 ES**

Battery voltage

48VDC

INVERTER OUTPUT

RATED POWER

5000VA/ 5000W

Parallel Capability

Yes, 6 units

AC Voltage Regulation
(Battery Mode)230VAC \pm 5% @ 50/60Hz

Surge Power

10000VA

Efficiency (Peak)

93%

Waveform

Pure sine wave

Transfer Time

10 ms (For Personal Computers); 20 ms (For Home Appliances)

SOLAR CHARGER

Maximum PV Array Power

5500W

MPPT Range @ Operating Voltage

120VDC – 430VDC

Maximum PV Array Open
Circuit Voltage

450VDC

Maximum Solar Charge Current

100A

Maximum Efficiency

97%

AC CHARGER

Charge Current

80A

AC Input Voltage

230 VAC

Selectable Voltage Range

170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)

Frequency Range

50Hz/60Hz (Auto sensing)

PHYSICAL

Dimension (D/W/H) in mm

485/330/135

Net Weight (kgs)

12

OPERATING ENVIRONMENT

Humidity

5% to 95% Relative Humidity(Non-condensing)

Operating Temperature

0°C - 55°C

Storage Temperature

-15°C - 60°C