

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