

SPF 5000 US

- Integrated MPPT charge controller.
- Equalization charging function.
- Work with or without battery
- PV input voltage up to 450VDC.
- Generator connection available
- Configurable grid or solar input priority.
- Optional WIFI/GPRS remote monitoring
- Support parallel operation for capacity expansion up to 30kW.
- PV and grid power the load jointly if PV energy is insufficient.
- Flexibly schedule the Inverter charging and discharging time.



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

GROWATT

www.ginverter.com

Datasheet	SPF 5000 US
Battery Voltage	48VDC
Battery Type	Lithium/Lead-acid
INVERTER OUTPUT	
Rated Power	5000VA/ 5000W
Parallel Capability	Yes, 6 units maximum
AC Voltage Regulation (Battery Mode)	230VAC \pm 5% @ 50/60Hz
Surge Power	10000VA
Efficiency (Peak)	93%
Waveform	Pure sine wave
Transfer Time	10ms typical, 20ms Max
SOLAR CHARGER	
Maximum PV Array Power	6000W
MPPT Range @ Operating Voltage	120VDC ~ 430VDC
Number of Independent MPP Trackers/ Strings Per MPP Tracker	1/1
Maximum PV Array Open Circuit Voltage	450VDC
Maximum Solar Charge Current	100A
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	
Protection Degree	IP20
Dimension (W/H/D)	330/485/135mm
Net Weight	12kgs
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Altitude	<2000m
Operating Temperature	0°C - 55°C
Storage Temperature	-15°C - 60°C
UL STD.1741 , CSA STD, CSA C22.2 No.107.1	