SPF 3000~5000 ES

- Integrated MPPT charge controller.
- Equalization charging function.
- Work with or without battery
- PV input voltage up to 450VDC.
- 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 unsufficient.
- Flexibly schedule the Inverter charging and discharging time.



GROWATT

www.ginverter.com

Datasheet	SPF 3000 ES	SPF 3500 ES	SPF 5000 ES
Battery Voltage	48VDC		
Battery Type	Lithium/Lead-acid		
INVERTER OUTPUT			
Rated Power	3000VA/ 3000W	3500VA/ 3500W	5000VA/ 5000W
Parallel Capability	NO	Yes, 6 units maximum	
AC Voltage Regulation (Battery Mode)	230VAC ± 5% @ 50/60Hz		
Surge Power	60000VA	7000VA	10000VA
Efficiency (Peak)	93%		
Waveform	Pure sine wave		
Transfer Time	10ms typical, 20ms Max		
SOLAR CHARGER			
Maximum PV Array Power	4000W	4500W	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	60A	80A	100A
AC CHARGER			
Charge Current	60A		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	11.5kg	11.5kg	12kg
OPERATING ENVIRONMENT			
Humidity	5% to 95% Relative Humidity(Non-condensing)		
Altitude	<2000m		
Operating Temperature	0°C - 55°C		
Storage Temperature	-15°C - 60°C		

SHENZHEN GROWATT NEW ENERGY CO.,LTD. A: 4-13/F,Building A,Sino-German(Europe)Industrial Park,Hangcheng Ave,Bao'an District,Shenzhen,China
T: + 86 755 2747 1900 F: + 86 755 2749 1460 E: info@ginverter.com