

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 insufficient.
- Flexibly schedule the Inverter charging and discharging time.



GROWATT

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**Parvaneh
Trading**

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| 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 | | |