

SPF3500~5000ES

- Integrated MPPT charge controller.
- Equalization charging function.
- Work with battery or without battery.
- Maximum 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 insufficient.
- Flexibly schedule the Inverter charging and discharging time.



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| Datasheet | SPF3500ES | SPF5000ES |
|---|---|---------------|
| Battery Voltage | 48VDC | |
| Battery Type | Lithium/Lead-acid | |
| INVERTER OUTPUT | | |
| Rated Power | 3500VA/ 3500W | 5000VA/ 5000W |
| Parallel Capability | Yes, 6 units maximum | |
| AC Voltage Regulation (Battery Mode) | 230VAC \pm 5% @ 50/60Hz | |
| Surge Power | 7000VA | 10000VA |
| Efficiency (Peak) | 93% | |
| Waveform | Pure sine wave | |
| Transfer Time | 10ms typical, 20ms Max | |
| SOLAR CHARGER | | |
| Maximum PV Array Power | 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 | |
| Max. PV Input Current | 18A | 18A |
| 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 | 330/485/135mm |
| Net Weight | 11.5kgs | 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 | |