

# SPF 6000 ES Plus

- Plug-and-Play terminal for PV port
- Dual MPP trackers
- Maximum PV input voltage up to 500VDC
- Configurable grid or solar input priority
- Parallel for scalability
- Dust-proof filter for harsh environment
- Two AC input terminals with integrated transfer switch



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| Datasheet                                                      | SPF 6000 ES Plus                                                        |
|----------------------------------------------------------------|-------------------------------------------------------------------------|
| Battery Voltage                                                | 48VDC                                                                   |
| Battery Type                                                   | Lithium/Lead-acid                                                       |
| <b>Inverter Output</b>                                         |                                                                         |
| Rated Power                                                    | 6000VA/6000W                                                            |
| Parallel Capability                                            | Yes, 6 units maximum                                                    |
| AC Voltage Regulation (Battery Mode)                           | 230VAC $\pm$ 5% @ 50/60Hz                                               |
| Surge Power                                                    | 12000VA                                                                 |
| Efficiency (Peak)                                              | 93%                                                                     |
| Waveform                                                       | Pure sine wave                                                          |
| Transfer Time                                                  | 10ms typical, 20ms Max                                                  |
| <b>Solar Charger</b>                                           |                                                                         |
| Maximum PV Array Power                                         | 8000W                                                                   |
| MPPT Range @ Operating Voltage                                 | 120VDC ~ 450VDC                                                         |
| Number of Independent MPP Trackers/<br>Strings Per MPP Tracker | 2/1                                                                     |
| Max. input current per MPP tracker                             | 16A                                                                     |
| Maximum PV Array Open<br>Circuit Voltage                       | 500VDC                                                                  |
| Maximum Solar Charge Current                                   | 100A                                                                    |
| <b>AC Charger</b>                                              |                                                                         |
| Charge Current                                                 | 80A                                                                     |
| AC Input Voltage                                               | 230VAC                                                                  |
| Selectable Voltage Range                                       | 170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances) |
| Frequency Range                                                | 50Hz/60Hz (Auto sensing)                                                |
| <b>Physical</b>                                                |                                                                         |
| Protection Degree                                              | IP20                                                                    |
| Dimension (W/H/D)                                              | 460/395/132mm                                                           |
| Net Weight (kgs)                                               | 13.5                                                                    |
| <b>Operating Environment</b>                                   |                                                                         |
| Humidity                                                       | 5% to 95% Relative Humidity(Non-condensing)                             |
| Altitude                                                       | <2000m                                                                  |
| Operating Temperature                                          | 0°C - 55°C                                                              |
| Storage Temperature                                            | -15°C - 60°C                                                            |