

SPF 3500~5000 ES

- Integrated MPPT charge controller.
- Equalization charging function.
- Work with or without battery
- PV input voltage up to 500VDC.
- Configurable grid or solar input priority.
- Optional WIFI/GPRS remote monitoring
- Support parallel operation for capacity expansion up to 45kW.
- PV and grid power the load jointly if PV energy is insufficient.
- Flexibly schedule the Inverter charging and discharging time.



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Datasheet	SPF 3500 ES Lite	SPF 5000 ES	SPF 5000 ES Lite
Battery voltage	48VDC		
Battery type	Lithium/Lead-acid		
Inverter output			
Rated power	3500VA/ 3500W	5000VA/ 5000W	5000VA/ 5000W
Parallel capability	Yes, 9 units maximum	Yes, 6 units maximum	Yes, 9 units maximum
AC voltage regulation (Battery mode)	230VAC ± 5% @ 50/60Hz		
Surge power	7000VA	10000VA	10000VA
Efficiency (Peak)	93%		
Waveform	Pure sine wave		
Transfer time	10ms typical, 20ms Max		
Solar charger			
Maximum PV array power	4500W	6000W	6000W
MPPT Range@operating voltage	120VDC ~ 450VDC	120VDC ~ 430VDC	120VDC ~ 450VDC
Number of Independent MPP trackers/ strings per MPP tracker	1/1		
Max. input current per MPP tracker	22A		
Maximum PV array open circuit voltage	500VDC	450VDC	500VDC
Maximum solar charge current	80A	100A	100A
AC charger			
Charge current	60A	80A	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)	280/125/435mm	330/135/485mm	280/125/435mm
Net weight	9.2kg	12kg	9.8kg
Operating environment			
Humidity	5% to 95% Relative Humidity(Non-condensing)		
Altitude	<2000m		
Operating temperature	-10°C - 55°C	0°C - 55°C	-10°C - 55°C
Storage temperature	-15°C - 60°C		