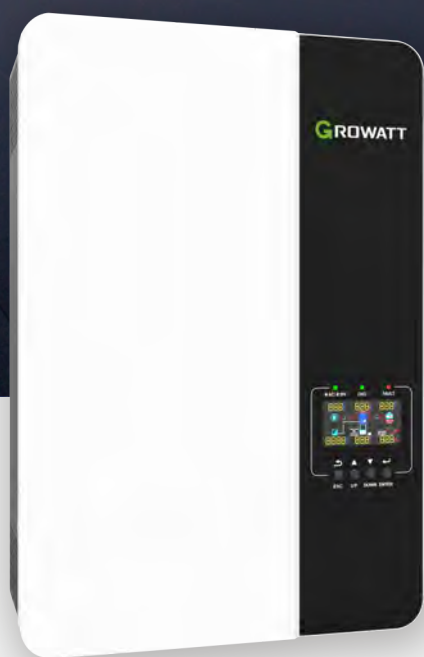


SPF 3500~5000 ES

- 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 30kW.
- 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
Battery voltage	48VDC	
Battery type	Lithium/Lead-acid	
Inverter output		
Rated power	3500VA/ 3500W	5000VA/ 5000W
Parallel capability	Yes, 9 units maximum	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 ~ 450VDC	120VDC ~ 430VDC
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
Maximum solar charge current	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)	280/125/435mm	330/135/485mm
Net weight	9.2kg	12kg
Operating environment		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Altitude	<2000m	
Operating temperature	-10°C - 55°C	0°C - 55°C
Storage temperature	-15°C - 60°C	