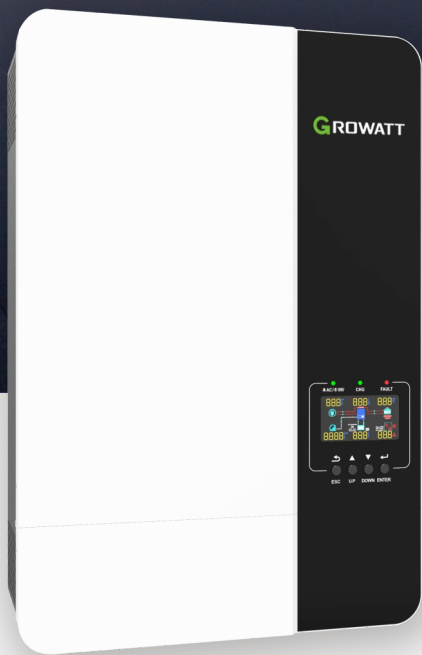


# SPF 3500~5000 ES

- 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		
<b>Inverter output</b>			
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		
<b>Solar charger</b>			
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
<b>AC charger</b>			
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)		
<b>Physical</b>			
Protection degree	IP20		
Dimension (W/H/D)	280/125/435mm	330/135/485mm	280/125/435mm
Net weight	9.2kg	12kg	9.8kg
<b>Operating environment</b>			
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		