

ALL IN ONE SRIES

Energy Storage Battery + 5Kw/10Kw Single Phase Off-Gird Inverter / EU



5Kwh~15Kwh(LFP51100*2/3) + 5Kw Inverter

15Kwh~50Kwh(HS51200-10*2~5) + 10Kw Inverter

Features



Flexible Storage Capacity.



Programmable supply priority
for battery or grid.



100% output
in off-grid mode.



All in one design.



Smart settable three stages
MPPT charging.



Real-time Remote Control
via APP and website.

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Specification

Battery Specifications			
Battery Module Model	LFP51100	HS51200-10	LFP51300
Nominal Voltage	51.2V	51.2V	51.2V
Nominal Capacity	100Ah	200Ah	300Ah
Battery Energy	5.12Kwh	10.24Kwh	15.36Kwh
Charge Current	Recommend / 20A ; Max. / 50A		Recommend / 40A ; Max. / 100A
Discharge Current	Recommend / 50A ; Max. / 100A		Recommend / 100A ; Max. / 200A
Max Discharge Current	105A(5 sec.)		205A(5 sec.)
Charging Cut-off Voltage	57.6V± 0.2V		57.6V± 0.2V
Discharging Cut-off Voltage	44.8V± 0.2V		44.8V± 0.2V
Inverter Specifications			
Model	5000TL	SPI48-DL10K	
AC Mode			
Rated input voltage	230Vac ±5%		
Input voltage range	(170Vac~280Vac)±2%@UPS (90Vac-280Vac)±2%@APL		
Frequency	50Hz/60Hz (Auto detection)		
Efficiency	>95%		
Conversion time (bypass and inverter)	10ms (typical)		
Maximum bypass overload current	25A	60A	
Inverter Mode			
Output voltage waveform	Pure sine wave		
Rated output power (VA)/(W)	5000VA / 5000W	10000VA / 10000W	
Rated output voltage (Vac)	230Vac		
Output voltage error	±5%		
Output frequency range (Hz)	50Hz±0.3Hz/60Hz±0.3Hz		
Maximum Efficiency	>93%		
AC Charging			
Maximum charge current(can be set)	80A	150A	
Charge current error	±5Adc		
Charge voltage range	40 ~ 60Vdc		
PV Charging			
Number of MPPTs	1	2	
Maximum PV open circuit voltage	450Vdc	500Vdc	
PV operating voltage range	120~450Vdc	80-500Vdc	
MPPT voltage range	120-430Vdc	90-450Vdc	
Maximum PV input power	5000W	5000W+5000W	
Maximum PV input current	18A	22A+22A	
PV charging current range(can be set)	0-80A	0-150A	
Hybrid charging Max charger current specifications (AC charger+PV charger)			
Max charger current (can be set)	0-80A	0-150A	
All-in-one machine specifications			
Item	10Kwh~15Kwh + 5Kw	20Kwh~40Kwh + 10Kw	15Kwh~45Kwh + 10Kw
Battery Module Model * Number	LFP51100 * 2/3	HS51200-10 * 2/3/4/5	LFP51300 * 1/2/3
Energy	10Kwh / 15Kwh	20Kwh / 30Kwh / 40Kwh / 50Kwh	15Kwh / 30Kwh / 45Kwh
Overall size	483*220*910~1810mm	690*590*565~1000mm	690*590*518~1004mm
Overall Weight	≈ 108~156Kg	≈210~468.5Kg	≈161~395Kg
General specifications			
Operating temperature range	0°C to 55°C, > 45℃ drop runs		
Storage temperature range	-10°C ~ 55°C		
Humidity range	5% to 95% (Conformal coating protection)		
Heat dissipation	Forced air cooling, variable speed of fan		
Communication interface	USB / RS485 / WiFi(Optional) / Dry node control		