

ALL IN ONE SRIES

Energy Storage Battery + 5Kw / 10Kw /15Kw Split phase Inverter



10Kwh(LFP51100*2) + 5Kw Inverter

40Kwh(HS51200-10*4) + 10/15Kw 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
Frequency Inverter			
PV Input			
Input Power (PV)	3400W	3400W+3400W	
Input Voltage Range (PV)	65Vdc~150Vdc		65Vdc~150Vdc
MPPT System Voltage Range	36Vdc~60Vdc (48V Battery)		36Vdc~60Vdc (48V Battery)
Max. PV Charging Current	60A (MPPT)		60A+60A (MPPT)
Number Of MPPTs	1	2	
AC Input			
Rating Input Voltage	180V~250Vac		
Input Frequency Range	50Hz / 60Hz (Auto test)		
AC Output			
Rating Output Power	5Kw	10Kw / 15Kw (Optional)	
Peak Output Power (20ms)	7.5Kw (Instantaneous)	30Kw (Instantaneous)	
Rating Output Voltage	100-110-120Vac / 220-230-240Vac (Split phase)		
Output Waveform	Pure Sine Wave		
Output Voltage Regulation	±10% RMS		
Output Frequency	50Hz±0.3Hz / 60Hz±0.3Hz (To be set)		
Typical transfer Time	10ms (Max.)		
Nominal Efficiency	88% (Peak)		
Communication Method	RS485 / Wifi		
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	≈ 136~184Kg	≈268~523.5Kg	≈216~455Kg
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	RS485/Wifi(Optional)		