



## Single Phase Off Grid All In One ESS

### ► Segment Load Management

Two level output management, energy keeps more for important load

### ► Wide PV Range

60-500Vdc, dual booster design

### ► Fast Charging

Max 120A charge current



### ► Ready To Use

Integrated battery, inverter and all accessories, easily installed and ready to use with cables connected

### ► Intelligent Monitoring

Intelligent BMS monitor battery operation status in real time

### ► Ultra-Slim Design

Ultra-slim design style, space-saving

Model	FBA5120B	FBA10240B	FAB15360B	FAB20480B
Phase	1-phase			
Maximum PV Input Power	6500W			
Rated Output Power	6200W			
Maximum Solar Charging Current	120A			
<b>PV Input(DC)</b>				
Nominal DC Voltage/Maximum DC Voltage	360VDC/500VDC			
Start-up Voltage/Initial Feeding Voltage	90VDC			
MPPT Voltage Range	60-450VDC			
Number of MPPT Trackers/Maximum Input Current	1/22A			
<b>Grid Output(AC)</b>				
Nominal Output Voltage	220/230/240VAC			
Output Voltage Range	195.5-253VAC			
Nominal Output Current	27.0A			
Power Factor	>0.99			
Fccd-in Grid Frequency Range	49-51±1Hz			
<b>Battery Data</b>				
Rate Voltage(Vdc)	51.2			
Cell Combination	16S1P*1	16S1P*2	16S1P*3	16S1P*4
Rate Capacity(AH)	100	200	300	400
Energy Storage(KWH)	5.12	10.24	15.36	20.48
Discharge Cut-off Voltage(VDC)	43.2			
Charge Cut-off Voltage(VDC)	58.4			
<b>Efficiency</b>				
Maximum Conversion Efficiency	98%			
<b>Two Load Output Power</b>				
Full Load	6200W			
Maximum Main Load	6200W			
Maximum Second Load(Battery Mode)	2067W			
Main Load Cut Off Voltage	44VDC			
Main Load Return Voltage	52VDC			
<b>AC Input</b>				
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC			
Acceptable Input Voltage Range	90-280VAC or 170-280VAC			
Maximum AC Input Current	50A			
Nominal Operating Frequency	50/60Hz			
Surge Power	10000W			
<b>Battery Mode Output(AC)</b>				
Nominal Output Voltage	220/230/240VAC			
Output Waveform	Pure sine wave			
Efficiency(DC to AC)	94%			
<b>Charger</b>				
Maximum Charging Current (Solar to AC)	120A			
Maximum AC Charging Current	100A			
<b>Physical</b>				
Dimension D*W*H(mm)	192*640*840	192*640*1180	192*640*1520	192*640*1860
Weight(kg)	64	113	162	211
<b>Interface</b>				
Communication Port	RS232/WIFI/GPRS/Lithium Battery			