



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			
PV Input(DC)				
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			
Grid Output(AC)				
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			
Battery Data				
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			
Efficiency				
Maximum Conversion Efficiency	98%			
Two Load Output Power				
Full Load	6200W			
Maximum Main Load	6200W			
Maximum Second Load(Battery Mode)	2067W			
Main Load Cut Off Voltage	44VDC			
Main Load Return Voltage	52VDC			
AC Input				
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			
Battery Mode Output(AC)				
Nominal Output Voltage	220/230/240VAC			
Output Waveform	Pure sine wave			
Efficiency(DC to AC)	94%			
Charger				
Maximum Charging Current (Solar to AC)	120A			
Maximum AC Charging Current	100A			
Physical				
Dimension D*W*H(mm)	192*640*840	192*640*1180	192*640*1520	192*640*1860
Weight(kg)	64	113	162	211
Interface				
Communication Port	RS232/WIFI/GPRS/Lithium Battery			