

FLYFINE



Single Phase Hybrid All In One ESS

► Ready To Use

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

► Modular Design

Modular battery packs, connected in parallel to increase battery capacity

► On/off Grid

Certified for grid CE

► Ultra Large PV Access

Configure two MPPT interfaces to support up to 11kw of PV

► Single-Phase

Integrated low-voltage battery and inverter for single-phase circuits

► Ultra-Slim Design

Ultra-slim design style, space-saving

► Long Life

Safe, durable and cycle life up to 6500 cycles

► IP65 Waterproof

IP65 rated high strength waterproof, supporting outdoor installation

Model	FBA10240	FAB20480
PV Specifications		
Max. PV Input Power	11000W	
Nominal DC Voltage/ Voc	360Vdc/600Voc	
Start-up/ Min. Operation Voltage	50Vdc/40Vdc	
No. of MPPTs/ Strings	2/1	
Max. PV Input/ Short Circuit Current	16A/ 20A	
Input/Output(AC)		
Max. AC input power from grid	11000VA	
Rated/ Max. AC Output Power	6000W/6000VA	
Rated AC Output Current (at 230V)	26.1A	
Max. AC Output Current	27.3A	
Rated AC Voltage	220V/230V/240V	
AC Voltage Range	154V~276V	
Rated Grid Frequency	50Hz/60Hz	
Grid Frequency Range	45~55Hz/ 55~65Hz	
Harmonic (THD)	< 3%	
Power Factor at Rated Power	> 0.99	
Adjustable Power Factor	0.8leading...0.8lagging...	
Grid Type	Single phase	
Rated Output Power for Backup Load	5000W	
Frequency Range in Off Grid Mode	50Hz/60Hz(±0.5%)	
Battery Data		
Rate Voltage(Vdc)	51.2	
Cell Combination	16S2P*1	16S2P*2
Rate Capacity(AH)	200	400
Energy Storage(KWH)	10.24	20.48
Cycle Life	25±2°C, 0.5C/0.5C, EOL70%≥6500	
Charge Voltage	57.6V	
Max. Charge/Discharge Current(A)	100	
Discharge Cut-off Voltage(VDC)	43.2	
Charge Cut-off Voltage(VDC)	58.4	
Environment		
Charge Temperature	0°C ~ 50°C@60 ± 25% Relative Humidity	
Discharge Temperature	-20°C ~ 50°C@60 ± 25% Relative Humidity	
Storage Temperature	-20°C ~ 50°C@60 ± 25% Relative Humidity	
Mechanical		
IP Class	IP65	
Material System	LiFePO4	
Case Material	Metal	
Case Type	All in One Stack	
Product Dimension L*W*H(mm)	620*212*1302	620*212*1900
Package Dimension L*W*H(mm)	760*725*345+735*715*340*1	760*725*345+735*715*340*2
Net Weight (kg)	25+85*1	25+85*2
Gross Weight(kg)	30+92*1	30+92*3
Communication		
Protocol(Optional)	RS485/RS232/WLAN Optional	
Certificates		
System	UN38.3, MSDS, EN, IEC, NRS, G99	
Cell	UN38.3, MSDS, IEC62619, CE, ULI973, UL2054	