

# 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

### ► IP65 Waterproof

IP65 rated high strength waterproof, supporting outdoor installation

### ► Long Life

Safe, durable and cycle life up to 6500 cycles

### ► Ultra-Slim Design

Ultra-slim design style, space-saving

Model	FBA5120	FBA10240A	FAB15360
<b>PV Specifications</b>			
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		
<b>Input/Output(AC)</b>			
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	6000W		
Frequency Range in Off Grid Mode	50Hz/60Hz(±0.5%)		
<b>Battery Data</b>			
Rate Voltage(Vdc)	51.2		
Cell Combination	16S1P*1	16S1P*2	16S1P*2
Rate Capacity(AH)	100	200	300
Energy Storage(KWH)	5.12	10.24	15.36
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		
<b>Environment</b>			
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		
<b>Mechanical</b>			
IP Class	IP65		
Material System	LiFePO4		
Case Material	Metal		
Case Type	All in One Stack		
Product Dimension L*W*H(mm)	640*205*1008	640*205*1350	640*205*1692
Package Dimension L*W*H(mm)	760*725*345+760*335*450*1	760*725*345+760*335*450*2	760*725*345+760*335*450*3
Net Weight (kg)	25+46*1	25+46*2	25+46*3
Gross Weight(kg)	30+51*1	30+51*2	30+51*3
<b>Communication</b>			
Protocol(Optional)	RS485/RS232/WLAN Optional		
<b>Certificates</b>			
System	UN38.3,MSDS,EN,IEC,NRS,G99		
Cell	UN38.3,MSDS,IEC62619,CE,UL1973,UL2054		