

FLYFINE



Three 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

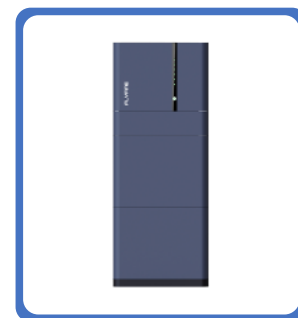
Modular battery packs, connected in parallel to increase battery capacity

► On/off Grid

Certified for grid CE

► Ultra Large PV Access

Configure two MPPT interfaces to support up to 15kw of PV



► Supports VPP Applications

Integrated high-voltage battery and inverter for three-phase circuits

► IP65 Waterproof

IP65 rated high strength waterproof, supporting outdoor installation

► Ultra-Slim Design

Ultra-slim design style, space-saving

► AFCI Active Arcing Protection

Automatically recognizes arc fault signals in circuits and disconnects power circuits before they short out

Model	FHAB8640	FHAB17280
PV Specifications		
Max. PV Input Power	15000W	
Nominal DC Voltage/ Vdc	600Vdc	
Start-Up/ Min. Operation Voltage	180Vdc	
MPPT Voltage Range	150-950Vdc	
No. Of MPPTs/ Strings	2(1/2)	
Max. PV Input/ Short Circuit Current	48A (16A/32A)	
Grid Output(AC)		
Max. AC Input Power From Grid	20500VA	
Rated AC Output Power	10000W	
Max. AC Output Apparent Power	11000VA	
Rated/ Max. AC Output Current	15.2A/16.7A	
Rated AC Voltage	3/N/PE 220V/380V 230V/400V 240V/415V	
AC Voltage Range	270-480V	
Rated Grid Frequency	50Hz/60Hz	
Grid Frequency Range	45-55Hz/55-65Hz	
Harmonic (THD) (Of Rated Power)	<3%	
Power Factor At Rated Power	>0.99	
Adjustable Power Factor	0.8 leading to 0.8 lagging	
AC Type	Three phase	
Battery Data		
Rate Voltage(V)	192	384
Cell Combination	60S1P	60S1P*2
Rate Capacity(AH)	50	
Energy Storage(kWh)	9.6	19.2
Cycle Life	25±2°C, 0.5C/0.5C, EOL70%≥6500	
Charge Voltage(V)	219	438
Max. Charge/Discharge Current(A)	25	
Discharge Cut-Off Voltage(V)	168	336
Charge Cut-Off Voltage(V)	210	420
Enviornment		
Charge Temperature	0°C to 50°C@60±25% Relative Humidity	
Discharge Temperature	-20°C to 50°C@60±25% Relative Humidity	
Storage Temperature	-20°C to 50°C@60±25% Relative Humidity	
Mechanical		
IP Class	IP65	
Material System	LiFePO4	
Case Material	Metal	
Case Type	All in One Stack	
Dimension L*W*H(mm)	Inverter high-voltage box: 800*210*775 / Battery box:800*188*512 (single)	
Package Dimension L*W*H(mm)	Inverter high-voltage box: 1115*300*880 Battery box:920*310*735 (single) (Packaging size Including accessories)	Inverter high-voltage box: 1115*300*880 Battery box:920*310*735 (single)*2 (Packaging size Including accessories)
Net Weight(kg)	Inverter high-voltage box: 65kg Battery box: 95kg Accessory box: 9kg	Inverter high-voltage box: 65kg Battery box: 95kg*2 Accessory box: 9kg
Gross Weight(kg)	Inverter high-voltage box: 76kg (Including accessories) / Battery box: 105kg	
Communication		
Protocol(Optional)	RS485/RS232/WLAN Optional	
Certificates		
System	UN38.3,MSDS,EN,IEC	
Cell	UN38.3,MSDS,IEC62619,CE,U1973,UL2054	