

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

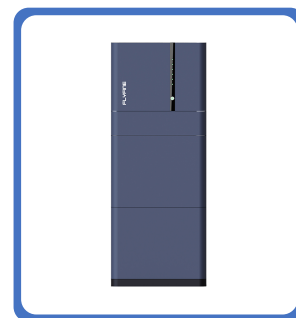
Modular battery packs, connected in parallel to increase battery capacity

► 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	