

# FLYFINE



## Three Phase All In One Residential Solution

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### ▶ 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 one MPPT interfaces to support up to 15kw of PV

### ▶ Three-Phase

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	FHAB8640-11K		FHAB17280-11K	
<b>PV Specifications</b>				
Max. PV Input Power	15000W			
Nominal DC Voltage/ Vdc	600Vdc			
Start-Up/ Min. Operation Voltage	250Vdc/ 200Vdc			
MPPT Voltage Range	200-950Vdc			
No. Of MPPTs/ Strings	1/2			
Max. PV Input/ Short Circuit Current	48A (16A/32A)			
<b>Grid Output(AC)</b>				
Max. AC Input Power From Grid	20600VA			
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			
<b>Battery Data</b>				
Rate Voltage(Vdc)	172.8		345.6	
Cell Combination	54S1P*1		54S1P*2	
Rate Capacity(AH)	50			
Energy Storage(kWh)	8.64		17.28	
Cycle Life	6000 cycles @80% DOD, 0.5C			
Charge Voltage	189		378	
Max. Charge/Discharge Current(A)	30			
Discharge Cut-Off Voltage(Vdc)	135		270	
Charge Cut-Off Voltage(Vdc)	197.1		394.2	
<b>Enviornment</b>				
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			
<b>Mechanical</b>				
IP Class	IP65			
Material System	LiFePO4			
Case Material	Metal			
Case Type	All in One Stack			
Dimension L*W*H(mm)	Inverter high-voltage box: 770*205*777 / Battery box:770*188*615(single)			
Package Dimension L*W*H(mm)	Inverter high-voltage box: 865*290*870 Battery box:865*285*678(single) Accessory box:865*285*225		Inverter high-voltage box: 865*290*870 Battery box:865*285*678(single)*2 Accessory box:865*285*225	
Net Weight(kg)	Inverter high-voltage box: 65kg Battery box: 88kg Accessory box: 9kg		Inverter high-voltage box: 65kg Battery box: 88kg*2 Accessory box: 9kg	
Gross Weight(kg)	Inverter high-voltage box: 67kg / Battery box: 90kg / Accessory box: 11kg			
<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,UJI973,UL2054			