



Three Phase All In One Residential Solution

► 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
PV Specifications		
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)	
Grid Output(AC)		
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	
Battery Data		
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
Environment		
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: 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	
Communication		
Protocol(Optional)	RS485/RS232/WLAN Optional	
Certificates		
System	UN38.3,MSDS,EN,IEC,NRS,G99	
Cell	UN38.3,MSDS,IEC62619,CE,UL1973,UL2054	