

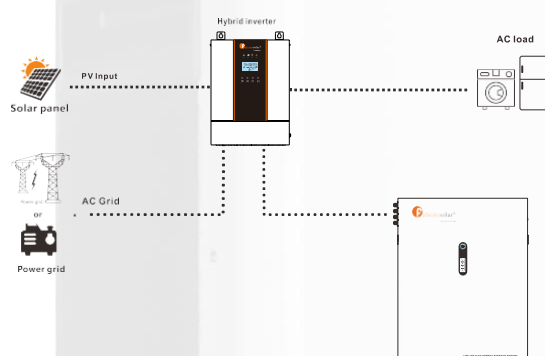


LiFePO4 BATTERY SYSTEM

LPBA-48170

FEATURE

- Iron phosphate-lithium power battery
- Long warranty period: 5 years
- Higher energy density, smaller volume for household
- Support connected in parallel mode for expansion
- Photovoltaic system: This battery pack is designed for household photovoltaic systems.
- Battery management system (BMS): The battery packs built-in BMS monitors its operation and prevents the battery from operating outside design limitations
- Expandability: This battery pack can be easily expanded by adding expansion battery packs in parallel connection.



LPBA-48170

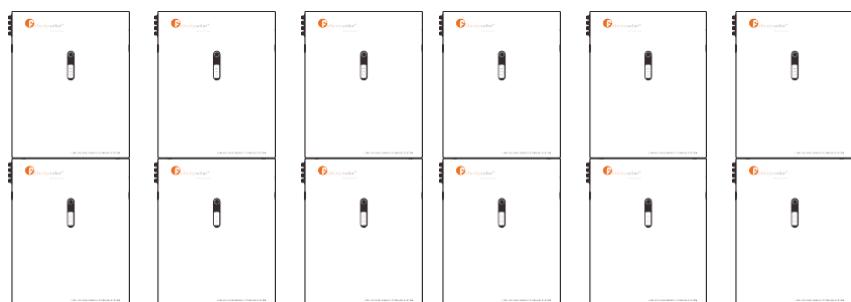
PRODUCT PARARAMETERS

Model	LPBA48170
Usable Capacity	8.7KWH
Nominal Voltage	51.2V
Voltage Range	48-57.6V
MAX. Charge & Discharge Current	120A@30S
Recommend Charge&Discharge Current	≤80A
MAX. Output Power	6000W
Recommend Output Power	4000W
DOD	≥95%
Modules Connection	1~12 in parallel
Communication	CAN&RS485
Ingress Protection	IP21
Cycle Life	≥6000@25°C, 80%DOD
Working Temperature Range	Discharge:-20°C to +60°C, Charge:+0°C to +55°C
Net Weight(KG)	71KG
Gross Weight(KG)	89KG
Product Dimension(MM)	755x600x160MM
Package Dimension(MM)	855x700x330MM

Product Description

Strong series is designed for residential and commercial Energy Storage applications, with LiFePo4 chemistry battery which has been widely recognized as one of the safest battery technologies.

Note: One group of LPBA48V can be stacked up to 2 layers, and up to 12 in parallel connection.



Convenient CAN&RS485 Communication





LiFePO4 BATTERY SYSTEM

LPBA48050-OH

FEATURE



Scalable



99% Faradic charge efficiency



IP65 protection level



Small occupied area



90%DOD



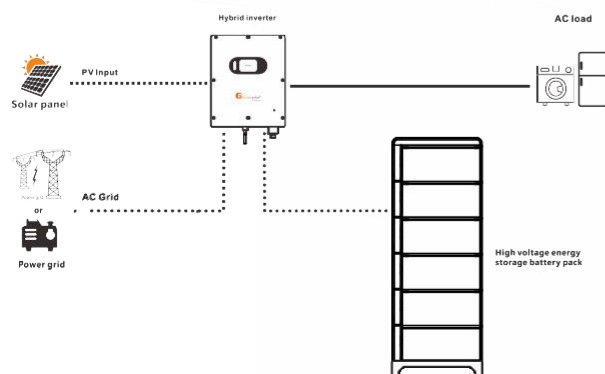
Cycle life > 6000 times



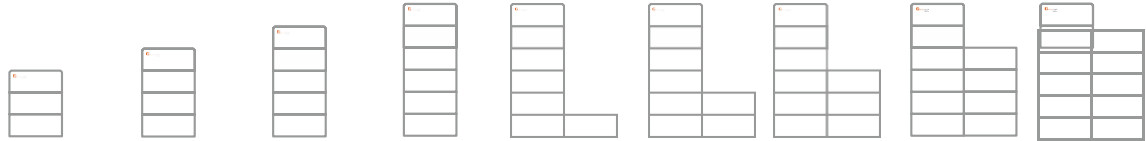
Floor or wall mounting

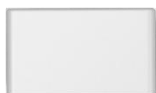


LiFePO4 battery



PRODUCT PARARAMETERS

Models	LPBA-5.1-OH	LPBA-7.7-OH	LPBA-10.2-OH	LPBA-12.8-OH	LPBA-15.4-OH	LPBA-17.9-OH	LPBA-20.5-OH	LPBA-23.0-OH	LPBA-25.6-OH
Battery Module	LPBA48050-OH (2.56kwh,51.2V,31kg)								
Number of Modules	2	3	4	5	6	7	8	9	10
Total Energy	5.12KWh	7.68KWh	10.24KWh	12.8KWh	15.36KWh	17.92KWh	20.48KWh	23.04KWh	25.6KWh
Usable Energy (90%DOD)	4.6KWh	6.9KWh	9.2KWh	11.5KWh	13.8KWh	16.1KWh	18.4KWh	20.7KWh	23KWh
Nominal Voltage	102.4V	153.6V	204.8V	256V	307.2V	358.4V	409.6V	460.8V	512V
MAX. Charge Voltage	115.2V	172.8V	230.4V	288V	345.6V	403.2V	460.8V	518.4V	576V
MIN. Discharge Voltage	96V	144V	192V	240V	288V	336V	384V	432V	480V
Max. Chargeing Current	25A								
Max. Discharge Current	25A								
Communication	CAN,RS485								
Enclosure Protection Rating	IP65								
Working Temperature Range	-10 ~ 50℃								
Cycle Life	>6,000 Cycle@ 80% DOD / 25℃ / 0.5C, 60%EOL								
Warranty	10 years								
Certification	IEC62619,UL1973,UN38.3,CE								
Dimension [W x D x H]	540x322x320+210xN (MM)								
Weight	73.5KG	104KG	134.5KG	165KG	195.5KG	226KG	256.5KG	287KG	317.5KG
Number of Modules	2	3	4	5	6	7	8	9	10
System Demo									



Top view



Front view



Side view

LPBA48050-OH



LiFePO4 BATTERY SYSTEM

LPBA-OL

FEATURE



Scalable



99% Faradic charge efficiency



IP65 protection level



Small occupied area



90% DOD



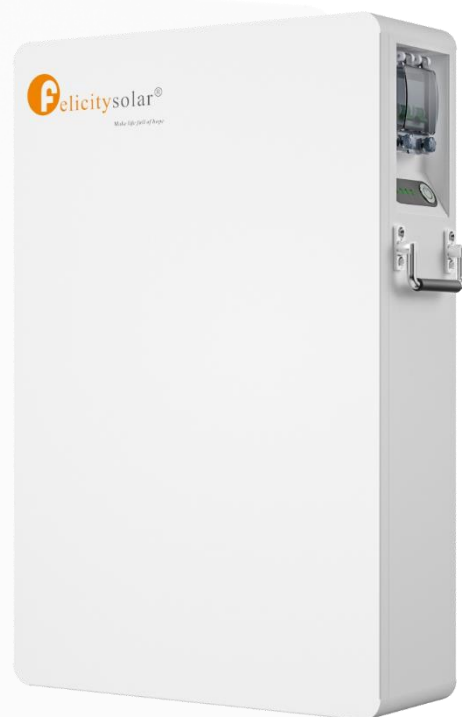
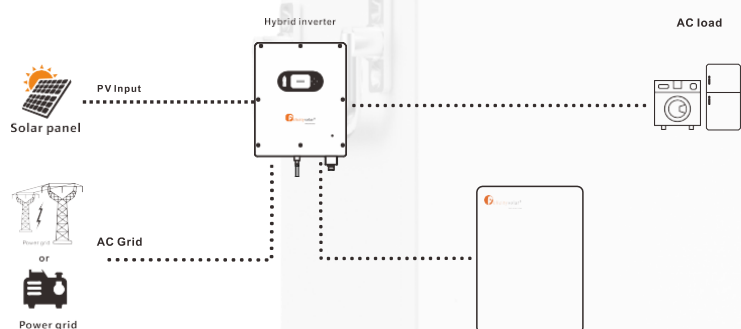
Cycle life > 6000 times



Floor or wall mounting

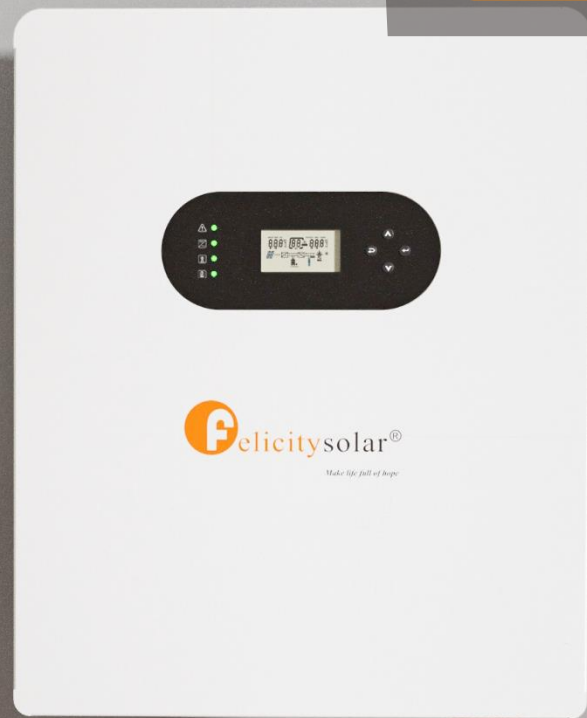


LiFePO4 battery



PRODUCT PARAMETERS

Models	LPBA48100-OL
Total Energy	5.12KWh
Usable Energy	4.6KWh
Capacity	100Ah
Nominal Voltage	51.2V
Voltage Range	48-57.6V
Max Power	2.5KW
Peak Power	5.0KW
Scalable	1~6 in parallel
Communication	CAN,RS485
Enclosure Protection Rating	IP65
Working Temperature Range	-10 ~ 50℃
Cycle Life	>6,000 Cycle@ 80% DOD / 25℃ / 0.5C, 60%EOL
Warranty	10 years
Certification	IEC62619,UL1973,UN38.3,CE
Dimension	650*440*150MM
Weight	48KG



SOLAR INVERTER IVGM SERIES

Features

-  Max. charging/discharging current of 25A
-  Support three phase imbalance
-  Support **Wi-Fi** for mobile monitoring
-  DC couple and AC couple to retrofit existing solar system
-  Support storing energy from diesel generator
-  Power supply can be switched automatically and switching time within 20ms

Model	IVGM100600-HT
Battery Input Data	
Battery Voltage Range	180V~580V
Max. charging and discharging current	25A
Max. charging and discharging power	10000W
Battery type	Li-Ion /Lead-acid
DC Input Data (PV side)	
Max. recommended PV power	13000W
Max. PV voltage	900V
Start voltage	160V
PV voltage range	160V~900V
MPPT voltage range	200V~850V
MPPT Voltage Range for Full Load	450V~850V
Nominal voltage	720V
Max. input current	15A/15A
Max. shorted current	18A/18A
Number of MPP trackers / strings per MPP tracker	2/1
AC Output Data	
Nominal Input Voltage	230Vac/400Vac
Input Voltage Range	184V~264.5V per phase*
Nominal grid frequency	50/60Hz*
Max. input current	30A per phase
Max. Charge Current	25A
Max. AC output power	10000W
AC Output Rated Current	14.5A per phase
Max. output current	18A per phase
Max. Continuous AC Passthrough	30A per phase
Power factor	>0.99
Displacement power factor	0.8leading~0.8lagging
THDI	<3%
AC Output Data(Back Up)	
Rated output power	10000VA/10000W
Max. Output current	30A per phase
Rated AC output voltage	230Vac per phase
Rated AC output frequency	50/60Hz
Efficiency	
Max. efficiency	97.6%
Euro efficiency	97.0%
MPPT efficiency	99.9%
Protection	
Output over current protection	Integrated
Output over power protection	Integrated
Output shorted protection	Integrated
Anti-islanding protection	Integrated
GFCI Protection	Integrated
Insulation Resistor Detection	Integrated
General Data	
Operating temperature range	-25°C~60°C,>45°C Derating
Protection degree	IP65
Relative humidity	100%
Cooling concept	Nature
Altitude	2000m
Communication	RS232/RS485
BMS Communication	CAN/RS485
Monitor module	Wi-Fi/GPRS
Display	LCD+LED
Installation Style	Wall-mounted
Warranty	10 years
Grid Regulation	VDE-AR-N 4105; G99/1; EN50549-1; CEI 0-21; AS 4777.2; NRS 097-2-1;
Safety Regulation	IEC 62109-1/2; IEC 62040-1
EMC	EN61000-6-1; EN61000-6-3
Net Weight(KG)	36.2
Gross Weight(KG)	41.5
Product Dimension(mm)	533*431*213
Package Dimension(mm)	635*533*321

* According to local grid-connected standards



SOLAR INVERTER IVGM SERIES

Features

-  Max. charging/discharging current of 100A
-  DC couple and AC couple to retrofit existing solar system
-  48V low voltage battery, transformer isolation topology
-  Support storing energy from diesel generator
-  Support **Wi-Fi** for mobile monitoring
-  Power supply can be switched automatically and switching time within 20ms

Model	IVGM5048-LS	
Battery Input Data		
Battery Voltage Range	40V~60V	
Max. charging and discharging current	100A/100A	
Max. charging and discharging power	5000W	
Battery type	Li-Ion /Lead-acid	
DC Input Data (PV side)		
Max. recommended PV power	6500W	
Max. PV voltage	550V	
Start voltage	130V	
PV voltage range	90V~550V	
MPPT voltage range	100V~500V	
MPPT Voltage Range for Full Load	220V~500V	
Nominal voltage	360V	
Max. input current	15A/15A	
Max. shorted curent	18A/18A	
Number of MPP trackers / strings per MPP tracker	2/1	
Grid Data		
Nominal Input Voltage	230Vac	
Input Voltage Range	184~264.5Vac*	
Nominal grid frequency	50/60Hz*	
Max. input current	40A	
Max. Charge Current	100A	
Max. AC output power	5000W	
AC Output Rated Current	21.7A	
Max. output current	25A	
Max. Continuous AC Passthrough	30A	
Power factor	>0.99	
Displacement power factor	0.8leading~0.8lagging	
THDI	<3%	
AC Output Data(Back Up)		
Rated output power	5000VA/5000W	
Max. Output current	30A	
Rated AC output voltage	230Vac	
Rated AC output frequency	50/60Hz	
Efficiency		
Max. efficiency	97.6%	
Euro efficiency	97.0%	
MPPT efficiency	99.9%	
Protection		
Output over current protection	Integrated	
Output over power protection	Integrated	
Output shorted protection	Integrated	
Anti-islanding protection	Integrated	
GFCI Protection	Integrated	
Insulation Resistor Detection	Integrated	
General Data		
Operating temperature range	-25°C~60°C,>45°C Derating	
Protection degree	IP65	
Relative humidity	100%	
Cooling concept	Nature	
Altitude	2000m	
Communication	RS232/RS485	
BMS Communication	CAN/RS485	
Monitor module	Wi-Fi/GPRS	
Display	LCD+LED	
Installation Style	Wall-mounted	
Warranty	10 years	
Grid Regulation	VDE-AR-N 4105; G99/1; EN50549-1; CEI 0-21; AS 4777.2; NRS 097-2-1;	
Safety Regulation	IEC 62109-1/2, IEC 62040-1	
EMC	EN61000-6-1, EN61000-6-3	
Net Weight(KG)	34.2	
Gross Weight(KG)	38.6	
Product Dimension(mm)	493*530*203	
Package Dimension(mm)	632*585*315	

* According to local grid-connected standards