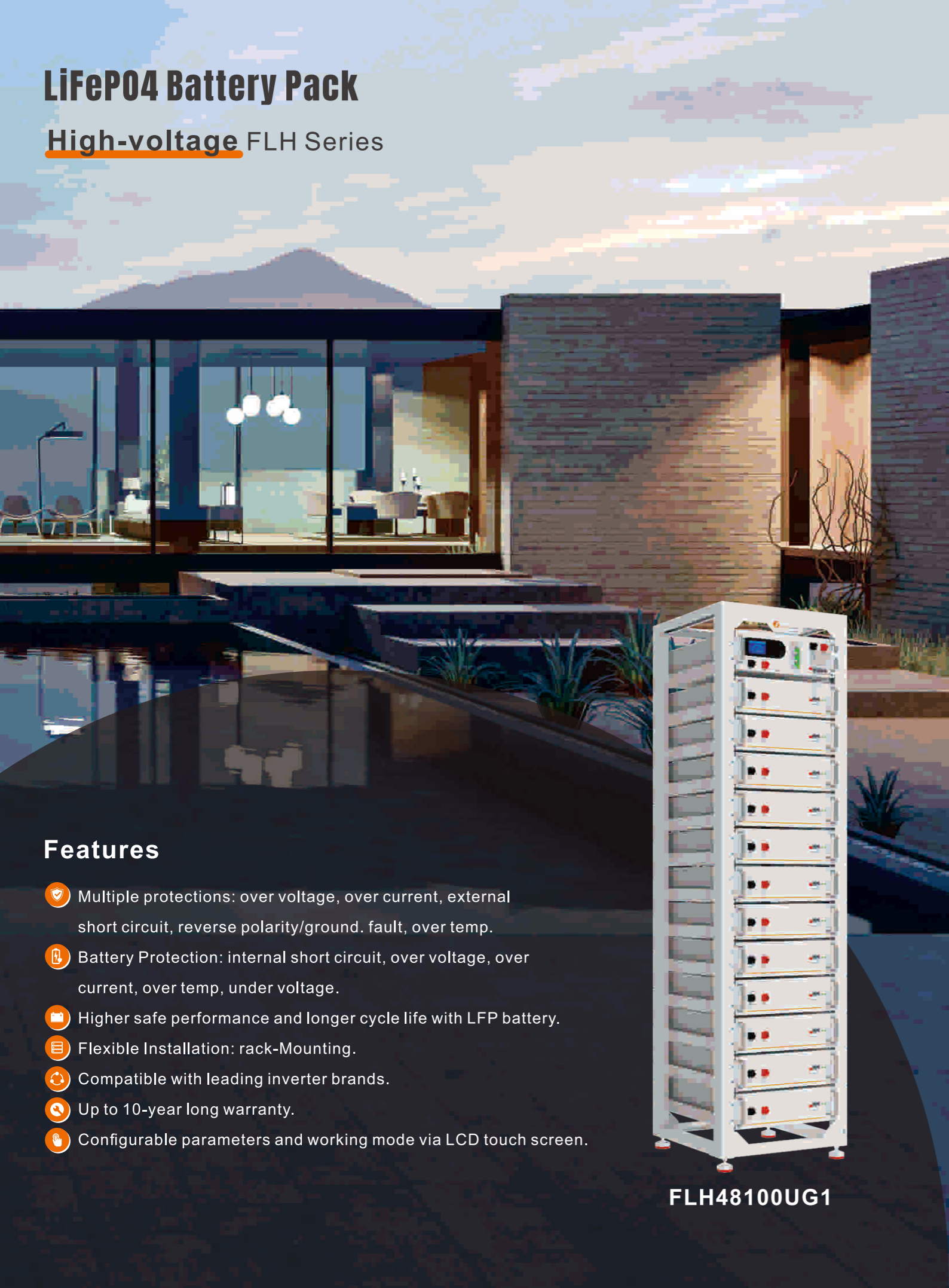









LiFePO4 Battery Pack

High-voltage FLH Series



FLH48100UG1

Features

-  Multiple protections: over voltage, over current, external short circuit, reverse polarity/ground. fault, over temp.
-  Battery Protection: internal short circuit, over voltage, over current, over temp, under voltage.
-  Higher safe performance and longer cycle life with LFP battery.
-  Flexible Installation: rack-Mounting.
-  Compatible with leading inverter brands.
-  Up to 10-year long warranty.
-  Configurable parameters and working mode via LCD touch screen.

Model		FLH48100UG1	
Battery Type	LiFePO4		
Nominal Energy	5.12KWh		
Nominal Voltage	51.2V		
Nominal Capacity	100Ah		
Number of Battery Modules	4(Min)	8	12
System Nominal Energy	20.48kWh	40.96kWh	61.44kWh
System Nominal Voltage	204.8V	409.6V	614.4V
System Operating Voltage	192-230.4V	384-460.8V	576-691.2V
Recommend Charge/Discharge Current	50A		
Max. Continuous Charge/Discharge Current[1]	100A		
Peak Charge/Discharge current(15S)	120A		
Depth of Discharge(DOD)	≥ 95%		
Display Type	LED+LCD(Touch)		
IP Rating of Enclosure	IP21		
Operating Temperature Range	Charge:0~+55°C		
	Discharge:-20°C~+55°C		
Storage Temperature Range	0°C~+35°C		
Humidity	5%~95%		
Altitude	≤2000M		
Cycle Life[2]	≥ 6000		
Installation	Rack-Mounting		
Protection	Built-in smart BMS, Breaker		
Communication Port	RS485 / CAN		
Warranty Period	10 Year		
Certification	UN38.3, CB, CE-EMC, IEC 62619, EN IEC 62040-1		
Control Module FLH48100UCG1	Product Dimension	482.6x565x150MM	
	Package Dimension	687x562x269MM	
	Product Weight Approximate	10.3KG	
	Package Weight Approximate	16.7KG	
Battery Module FLH48100UMG1	Product Dimension	482.6x565x131MM	
	Package Dimension	687x562x250MM	
	Product Weight Approximate	41.3KG	
	Package Weight Approximate	45KG	
	Battery Designation[3]	IFpP/54/150/120/[(1P16S)NS]M/-20+50/95	
Rack FLH48100R13G1	Product Dimension	560×590×2137.5MM (13th Floor)	
	Package Dimension	165×640×2142MM	
	Product Weight Approximate	62KG	
	Package Weight Approximate	69.5KG	
Rack FLH48100R9G1	Product Dimension	560×590×1565.5MM (9th Floor)	
	Package Dimension	168×642×1570MM	
	Product Weight Approximate	46KG	
	Package Weight Approximate	52KG(Approx)	

[1] Max. Continuous Charge/Discharge Current/Power is Affected by Temperature and SOC.

[2] Test Conditions: 0.2C Charging/Discharging @25°C, 80% DOD.

[3] "N" Means the Number of Battery Packs Connected Series and Should not Exceed 12.(N≤12)

*Product specifications may vary during continuous improvements. Please contact us for latest details.

*Refer to Felicitysolar's Warranty Policy for applicable conditions.