

256-870.4V

High-voltage Lithium Battery

FLH Series

Features

- Supports WiFi monitoring and Fsolar smart cloud monitoring system
- Enhanced safety with aerosol fire extinguishing system
- Automatically identifies virtual addresses without DIP switch settings
- Quickly identify faulty battery module on LCD screen
- Rack-mounted design, available in multiple layers with integrated grounding
- CCS Technology for better system performance
- Per cluster: 16 battery packs in series (81.92 kWh)
- System max: Up to 16 clusters in parallel (1.3 MWh)



FLH48100UG2

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Official Website Facebook

Model		FLH48100UG2			
Battery Type		LiFePO4			
Nominal Energy		5.12kWh			
Nominal Voltage		51.2V			
Nominal Capacity		100Ah			
Number of Battery Modules		5(Min)	8	12	17(Max)[1]
System Nominal Energy		25.6kWh	40.96kWh	61.44kWh	87.04kWh
System Nominal Voltage		256V	409.6V	614.4V	870.4V
System Operating Voltage		232~288V	371.2~460.8V	556.8~691.2V	788.8~979.2V
System Usable Energy		25.6kWh	40.96kWh	61.44kWh	87.04kWh
Recommend Charge/Discharge Current		50A			
Max. Continuous Charge/Discharge Current[2]		100A			
Depth of Discharge(DOD)		90%			
Display Type		LED+LCD			
IP Rating of Enclosure		IP21			
Working Temperature Range		Charge:0~+55℃			
		Discharge:-20℃~+55℃			
Storge Temperature Range		0℃~+35℃			
Humidity		5%~95%			
Altitude		≤2000M			
Cycle Life[3]		≥ 6000 Cycles			
Installation		Rack-Mounting			
Protection		Built-in Smart BMS, Breaker, Fuse			
Communication Port		RS485 / CAN			
Warranty Period[4]		10 Year			
Certification		CE/ IEC 62619/UN38.3			
Control Module FLH48100UCG2	Product Dimension	482.6x565x150MM			
	Package Dimension	687x562x269MM			
	Product Weight Approximate	10.3KG			
	Package Weight Approximate	16.7KG			
Battery Module FLH48100UMG2	Product Dimension	482.6x565x133MM			
	Package Dimension	687x562x250MM			
	Product Weight Approximate	41.3KG			
	Package Weight Approximate	45KG			
	Battery Designation[5]	IFpP/54/150/120/[(1P16S)NS]M/-20+50/95			
Rack FLH48100R13G2	Product Dimension	590×532×2087.5MM (13th Floor)			
	Package Dimension	657×138×2167MM			
	Product Weight Approximate	49KG			
	Package Weight Approximate	57KG			
Rack FLH48100R9G2	Product Dimension	590×532×1515.5MM (9th Floor)			
	Package Dimension	657×138×1595MM			
	Product Weight Approximate	37.7KG			
	Package Weight Approximate	43.2KG			

[1]The latest software supporting 17 BMUs in series is currently under development.

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

[3] Test Conditions: 0.5C Charging/Discharging @25±2°C, EOL70%.

[4] Refer to Felicitysolar's Warranty Policy for applicable conditions.

[5] "N"Means the Number of Battery Packs Connected Series and Should not Exceed 17.(N≤17)

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