Felicitysolar®

Make life full of hope



256~819.2V

High-voltage LiFePO4 Battery

FLH Series

Features

- Remote Monitoring via FSolar APP
- Single Ground Connection
- Enhanced Safety with Fire Protection Module
- Automatic Virtual Addressing without Manual Operation
- Faulty Module Display on Screen, Simplified Troubleshooting
- Max. 16 Pcs (81.92kWh) in Series, Max. 16 Clusters (1.3MWh) in Parallel
- Mixed New and Existing Modules Compatible
- User-friendly Touchscreen



FLH48100UG2

Guangzhou Felicity Solar Technology Co.,Ltd.

www.felicitysolar.com sales@felicitysolar.com

No. 2, Donghua Huaye Road, Renhe Town, Baiyun District, Guangzhou, China **(Only 10 Mins from Baiyun International Airport)**

Official Website

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Model		FLH48100UG2			
Battery Type		LiFePO4			
Nominal Energy		5.12kWh			
Nominal Voltage		51.2V			
Nominal Capacity		100Ah			
Number of Battery Modules		5(Min)	8	12	16(Max)[1]
System Nominal Voltage		256V	409.6V	614.4V	819.2V
System Operating Voltage		232~288V	371.2~460.8V	556.8~691.2V	742.4~921.6V
System Energy		25.6kWh	40.96kWh	61.44kWh	81.92kWh
Rated DC Power		25.6kWh	40.96kWh	61.44kWh	81.92kWh
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		Ip20			
Working Temperature Range		Charge:0℃~+55℃			
		Discharge:-20℃~+55℃			
Storge Temperature Range		0℃~+35℃			
Humidity		5%~95%			
Altitude		⩽3000M			
Cycle Life[3]		⩾ 6000 Cycles			
Installation		Rack-Mounting			
Protection		Built-in Smart BMS, Breaker, Fuse			
Communication Port		RS485 / CAN			
Warranty Period[4]		10 Years			
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] Currently, The Battery Supports a Maximum of 16 BMUs. For the Entire Energy Storage System, Confirm the Inverter's Maximum Supported Voltage Range to Determine the Maximum Number of BMUs that Can Be Installed

[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 16.(N⩽16)

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

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