Felicitysolar®

Make life full of hope

102.4~614V

LiFePO4 Battery Pack

FLH Series

FLH96050SG1

Features

- Multiple Protection with built-in smart BMS, breaker and fuse.
- LiFePO4: Higher safe performance and longer cycle life.
- Stack-mounted design, expandable up to 6 units in series.
- Compatible with leading inverter brands.
- Aerosol fire extinguishing system.
- Inverter interface protection.
- Up to 10-year long warranty.
- Configurable parameters and working mode via LCD touch screen.

Guangzhou Felicity Solar Technology Co.,Ltd.

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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		FLH96050SG1				
Battery Type		LiFePO4				
Module Nominal Energy		5.12kWh				
Module Nominal Capacity		50Ah				
Module Nominal Voltage		102.4V				
Number of Battery Modules		2(min)	3	4	5	6
System Nominal Energy		10.24kWh	15.36kWh	20.48kWh	25.6kWh	30.72kWh
System Nominal Voltage		204.8V	307.2V	409.6V	512V	614.4V
System Operating Voltage		192-230.4V	288-345.6V	384-460.8V	480-576V	576-691.2V
Recommend Charge/Discharge Current		25A	25A	25A	25A	25A
Max. Continuous Charge/Discharge Current[1]		50A	50A	50A	50A	50A
Peak Charge/Discharge Current(15S)		60A	60A	60A	60A	60A
Depth of Discharge(DOD)		⩾95%				
Display Type		LED+LCD(Touch)				
IP Rating of Enclosure		IP65				
Working Temperature Range		Charge: 0°C~55 °C				
		Discharge: -20°C~55 °C				
Storge Temperature Range		0°C~+35°C				
Humidity		5%~95%				
Altitude		⩽ 2000M				
Communication		RS485/CAN				
Cycle Life[2]		⩾ 6000 Cycles				
Installation		Stacking-Mounting/Floor-Mounting				
Protection		Built-in smart BMS, Breaker, Fuse				
Warranty Period		10 Years				
Certification		UN38.3、CB、CE-EMC、IEC 62619				
Control Module FLH96050SCG1	Net Weight	12.5KG				
	Gross Weight(with base)	24.5KG				
	Product Dimension	600x385x200MM				
	Package Dimension(with base)	712x497x352MM				
Battery Module FLH96050SMG1	Battery Designation[3]	IFpP/41/150/102/[(1P32S)NS]M/-10+50/90				
	Net Weight	57.5KG				
	Gross Weight	62KG				
	Product Dimension	600x385x260MM				
	Package Dimension(with base)	712x497x378MM				

[1] Max. Continuous Charge/Discharge Current 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 6.(N⩽6)

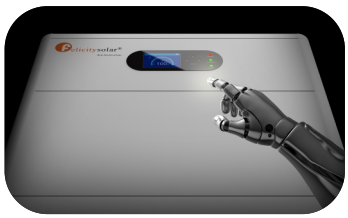
*Product specifications may vary during continuous improvements. Please contact us for latest details.

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

Product Display

IP65 Protection Level

Aerosol Fire Extinguishing System



Real-time Status via LCD Display & SOC Display

Module Design for Easy Expansion

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