

10.24~30.72kWh

LiFePO4 Battery

FLH Series | High-voltage

Features



Integrated Grounding Layer
Design for Effortless Connection



IP65-rate Protection,
Suitable for Outdoor Use



Peace of Mind with Fire
Protection Module



12V Debug port, Safer
and Faster Repair



Error-free Automatic
Battery Module Addressing



USB & WiFi Options for
Convenient Maintenance



**FLH96050SG2 /
FLH96050SG2-H**

Model		FLH96050SG2/FLH96050SG2-H				
Battery Type		LiFePO4				
Module Energy		5.12kWh				
Module Capacity		50Ah				
Module Nominal Voltage		102.4V				
Number of Battery Modules		2	3	4	5	6
System Energy		10.24kWh	15.36kWh	20.48kWh	25.6kWh	30.72kWh
System Usable Energy		9.21kWh	13.82kWh	18.43kWh	23.04kWh	27.64kWh
System Nominal Voltage		204.8V	307.2V	409.6V	512V	614.4V
System Operating Voltage		185.6-230.4V	278.4-345.6V	371.2-460.8V	464-576V	556.8-691.2V
Recommend Charge/Discharge Current		25A	25A	25A	25A	25A
Max. Continuous Charge/Discharge Current[1]		50A	50A	50A	50A	50A
Depth of Discharge(DOD)		90%				
Display Type		LED+LCD(Touch)				
IP Rating of Enclosure		IP65				
OperatingTemperature Range		FLH96050SG2 Charge: 0°C~+55°C / Discharge:-20°C~+55°C			FLH96050SG2-H Charge/Discharge:-20°C~+55°C	
Storge Temperature Range		0°C~+35°C				
Humidity		5%~95%				
Altitude		≤ 2000M				
Cycle Life[2]		≥ 6000 Cycles				
Installation		Stacking-Mounting/Floor-Mounting				
Protection		Built-in Smart BMS, Breaker				
Communication		RS485/CAN				
Warranty Period[3]		10 Years				
Certification		UN38.3, IEC 62619, IEC 60730-1, IEC 62040-1, IEC/EN 61000-6-1/2/3/4				
Control Module FLH96050SCG2 FLH96050SCG2-H	Net Weight	12.5KG				
	Gross Weight(with base)	24.5KG				
	Product Dimension	600x385x200MM				
	Package Dimension(with base)	712x497x352MM				
Battery Module FLH96050SMG2 FLH96050SMG2-H	Battery Designation[4]	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.

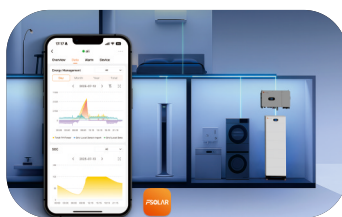
[3] Conditions Apply, Refer to Felicitysolar Warranty Policy.

[4] "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



Built-in WiFi / Bluetooth
for Remote Monitoring



Optional Heating Modules
(FLH96050SG2-H model)



Support 6 PCs in Series,
Max. 16 Clusters in Parallel



High-efficiency New and
Old Modules Balancing

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