felicitysolar®

Make life full of hope



51.2V

LiFePO4 Battery Pack

Low-voltage

FLS48100SG2

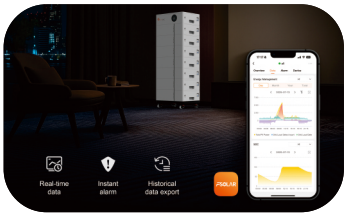
Features

- LiFePO4: higher safe performance and longer cycle life.
- Build-in aerosol fire extinguishing system.
- Build-in WiFi for real-time monitoring.
- Equipped with over-voltage trip protection.
- Flexible installation: stack-mounted or floor-mounted.
- External fuse design for easy replacement.
- Max. 8 units in parallel.
- Compatible with leading inverter brands.

Product Display



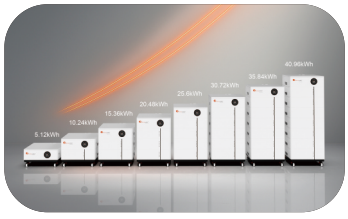
Multiple Protections



Real-time Monitoring



External Fuse Design



Max. 8 Pcs in Parallel

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)**

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Model		FLS48100SG2							
Battery Type		LiFePO4							
Module Nominal Energy		5.12kWh							
Module Nominal Capacity		100Ah							
Module Nominal Voltage		51.2V							
Number of Battery Modules		1	2	3	4	5	6	7	8
System Nominal Energy		5.12kWh	10.24kWh	15.36kWh	20.48kWh	25.6kWh	30.72kWh	35.84kWh	40.96kWh
System Nominal Voltage		51.2V							
System Operating Voltage		44.8-57.6V							
Recommend Charge/Discharge Current		50A	100A	150A	200A	250A	300A	350A	400A
Max. Continuous Charge/Discharge Current[1]		60A	120A	180A	240A	300A	360A	400A	400A
Peak Charge/Discharge Current(15S)		100A	200A	300A	400A	500A	600A	700A	800A
Scalability		Max.8 pcs in Parallel(40.96kWh)							
Depth of Discharge(DOD)		⩾95%							
Display Type		Control Module: LCD/Battery Module: LED*4							
Protection Level		IP21							
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		Stack-Mounted/Floor-Mounted							
Protection		Built-in Smart BMS, Breaker, Fuse							
Warranty Period[3]		10 Years							
Control Module FLS48100SCG1	Product Weight Approximate	46KG							
	Package Weight Approximate	60KG							
	Product Dimension	600X450X180 MM							
	Package Dimension	712X562X333 MM							
Battery Module FLS48100SMG1	Product Weight Approximate	46KG							
	Package Weight Approximate	50KG							
	Product Dimension	600X450X180 MM							
	Package Dimension	712X562X298 MM							

[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.

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

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

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