Felicitysolar®

Make life full of hope



51.2V

LiFePO4 Battery Pack

5.12kWh

FLA Series Low-voltage

Features

- LiFePO4: higher safe performance and longer cycle life.
- Multiple installation choices: stack-mounted / wall-mounted / rack-mounted.
- Equipped with over-voltage trip protection & fire protection module.
- Max. 32 units in parallel.
- Max. 1C charge and discharge rate.
- Easy fuse replacement design.
- CCS Technology for better system performance.



FLA48100UG1

Product Display



Max. 32 units in parallel



Guaranteed safety, peace of mind



Max. 1C charge and discharge rate



Multiple installation choices, easy and convenient

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

Facebook

Model	FLA48100UG1
Battery Type	LiFePO4
Nominal Energy	5.12kWh
Nominal Voltage	51.2V
Operating Voltage	44.8-57.6V
Recommend Charge/Discharge Current	50A
Max. Continuous Charge/Discharge Current[1]	100A
Peak Charge/Discharge Current(15s)	125A
Max. Charge/Discharge Power	5,000W
Peak Charge/Discharge Power(15s)	6,250W
Depth of Discharge(DOD)	⩾95%
Scalability	Max. 32 pcs in Parallel(163.84kWh)
Communication	RS485/CAN
Protection Level	IP21
Cycle Life	⩾ 6,000 Cycles (25℃±2℃,0.5C/0.5C,90%DOD,70%EOL)
Charging Temperature Range	0°C~+55 °C
Discharging Temperature Range	-20°C~+55 °C
Display Type	LED
Installation	Stacked Installation/Rack Installation/Wall-mounted Installation
Protection	Built-in Smart BMS, Breaker, Fuse
Warranty	7 Years
Net Weight	43KG
Gross Weight	47KG
Product Dimension	575X483X133MM
Package Dimension	642X542X241MM

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

*Disclaimer: This product is currently in pilot production. Final specifications, design, and features may differ from those presented here.

*© 2025 Guangzhou Felicity Solar Technology Co., Ltd. All rights reserved.







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

Facebook