felicitysolar®

5.12 kWh Low-Voltage LFP Battery

FLA48100UG2

Designed for home solar storage and indoor backup, with flexible mounting, remote battery monitoring and room to expand



Multi-Layer Protection
BMS, circuit breaker, fuse and aerosol protection

Remote Monitoring
Built-in Wi-Fi and Bluetooth, with remote monitoring via Wi-Fi

Flexible Installation and Expansion
Wall, stack or rack mounting. Up to 163.84 kWh in parallel

Front-Access Fuse
Replace the fuse from the front with less disassembly

≥95%	≥6,000	32	3	10 Years
DOD	Cycles	units in parallel	Mounting Options	Warranty

Guangzhou Felicity Solar Technology Co.,Ltd.

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

www.felicitysolar.com

sales@felicitysolar.com

Official Website

Social Media

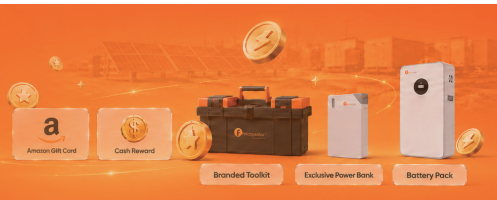
FLA48100UG2 | 5.12 kWh Low-Voltage LFP Battery

Battery Specifications	
Model	FLA48100UG2
Energy	5.12kWh
Battery Type	LiFePO4
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	150A, 2min, 25°C
Max.Charge/Discharge Power	5,000W
Peak Charge/Discharge Power	7,680W
Depth of Discharge(DOD)	⩾95%
Scalability	Up to 32 units in parallel(163.84kWh)
Communication	RS485 / CAN
Protection Level	IP21
Cycle Life	⩾6000 Cycles(25°C±2°C,0.5C/0.5C,90%DOD,70%EOL)
Charging Temperature Range	0-55°C
Discharging Temperature Range	-20-55°C
Display	LED
Installation	Stacked installation/Rack installation/Wall-mounted installation
Protection	Built-in smart BMS, Breaker, Fuse
Warranty	10 Years
Net Weight	43.3kg±3%
Gross Weight	49.2kg±3%
Product Dimension	575x483x133mm
Package Dimension	642x542x241mm
[1] Max.continuous charge/Discharge current is affected by temperature and SOC.	

*In the absence of communication, please follow the recommended settings in the table below.

Recommended Settings (Without Communication)	
Setting	FLA48100UG2
Max. Charging Voltage	57.6V
Floating Charging Voltage	57.6V
Max. Charging Current	100A*N
Cut-off Voltage	48V

Notes: 'N' means the number of battery packs connected in parallel.

INSTALLER REWARDS
Install More. Earn More.
Join the Global Installer Rewards Program and Unlock Exclusive Felicity Gifts.
INSTALL
SHARE
EARN


Scan to Join
Event Details