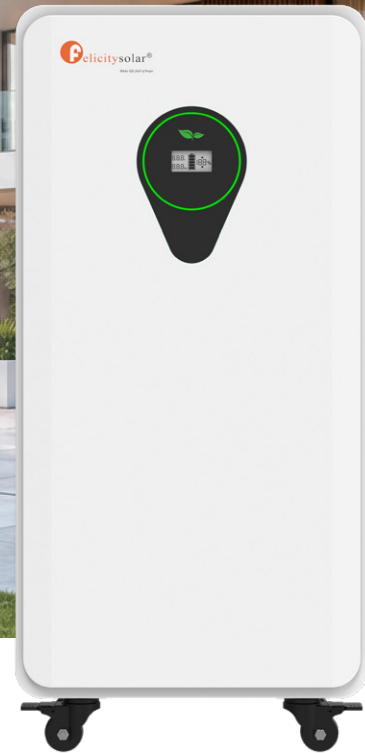


20kWh High-Capacity Low-Voltage Battery

FLA48400TG2

Built for high-consumption homes and small businesses requiring greater energy capacity, reliable backup and flexible system expansion.



20kWh in One Pack

More stored energy with fewer battery units and a simpler system configuration

High-Current Energy Performance

Up to 200A charging and 250A discharging support higher system power demand

Safety Engineered into Every Layer

Smart BMS, circuit and fuse protection, plus aerosol fire suppression

Scalable and Smart Energy Storage

Expand up to 15 units in parallel, with Wi-Fi and Bluetooth monitoring

20kWh
Energy Capacity

51.2V
Nominal Voltage

200A/250A
Max. Charge/Discharge

8,000
Life Cycles

7 Years
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

FLA48400TG2 | 20kWh LiFePO4 Battery

Battery Specifications	
Model	FLA48400TG2
Nominal Energy	20kWh
Battery Type	LiFePO4
Nominal Voltage	51.2V
Operating Voltage	44.8-57.6V
Recommend Charge/Discharge Current	Charge 100A Discharge 125A
Max. Charge/Discharge Current[1]	Charge 200A Discharge 250A
Peak Charge/Discharge Current	300A @ 2mins
Max. Charge/Discharge Power	Charge 10.2kW Discharge 12.8kW
Depth of Discharge(DOD)	95%
Scalability	Up to 15 units in parallel
Communication	CAN2.0, RS485,WIFI,Bluetooth
Protection Level	IP21
Cycle Life	≥8000@ 25°C
Operating Temperature	Charge 0~55°C Discharge -20~55°C
Storage Temperature	0~35°C
Display	LCD+LED
Installation	Floor-Mounted
Protection	BMS, Fuse, Breaker, MX+OF
Warranty[2]	7 Years
Energy Throughput[2]	44.5 MWh [3]
Net Weight	150.5kg±3%
Gross Weight	179kg±3%
Product Dimension	960×450×265mm
Package Dimension	1040×570×481mm
[1] The current is affected by temperature and SOC.	
[2] Condition apply,refer to Felicitysolar Warranty Letter.	
[3] 25°C±2°C/77°F ±3.6°F, 70%EOL.	
*In the absence of communication, please follow the recommended settings in the table below.	

Setting	FLA48400TG2
Max. Charging Voltage	57.6V
Floating Charging Voltage	57.6V
Max. Charging Current	200A*N
Cut-off Voltage	44.8V
Notes: "N" means the number of battery packs connected in parallel.	

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and Unlock Exclusive Felicity Gifts.

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SHARE

EARN





Scan to Join



Event Details