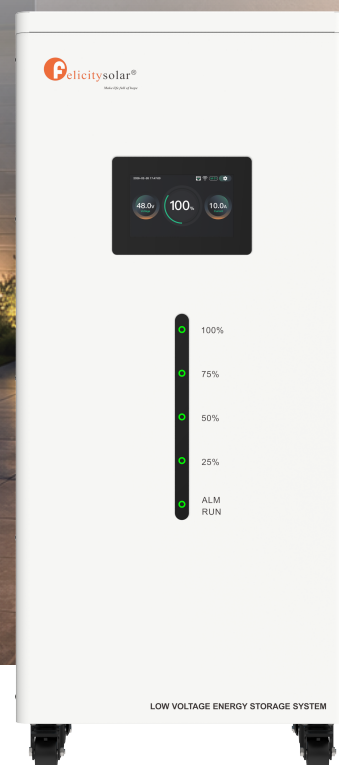




16kWh Low-Voltage Smart LiFePO4 Battery

FLA48314TG2-TS

Built for high-demand homes, backup power
and scalable energy storage systems.



12.8kW Powerful Discharge

Up to 250A discharge current supports high-demand household loads and dependable backup power

16-240kWh Smart Expansion

Supports up to 15 battery packs in parallel,
with intelligent management for stable and flexible system expansion

7-inch Smart Touchscreen

View SOC, voltage, current and operating status at a glance, with local and remote monitoring support

Long-Lasting & Reliable

≥8,000 cycles, 95% depth of discharge and multi-layer protection support dependable long-term operation

Smart BMS

Fuse & Breaker
Protection

Aerosol Fire
Protection

≥8,000
Cycle Life

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

FLA48314TG2-TS | 16kWh LiFePO4 Battery

Battery Specifications	
Model	FLA48314TG2-TS
Nominal Energy / Capacity	16kWh / 314Ah
Battery Type	LiFePO4
Nominal Voltage	51.2V
Operating Voltage	44.8-57.6V
Recommend Charge/Discharge Current	Charge 75A / Discharge 125A
Max. Charge/Discharge Current [1]	Charge 150A / Discharge 250A
Peak Charge/Discharge Current	300A @ 2mins
Max. Charge/Discharge Power	Charge 7.7kW / 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	≥8,000 @ 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]	35 MWh ^[3]
Net Weight	130kg ±3%
Gross Weight	159kg ±3%
Product Dimension	1095x480x300mm
Package Dimension	1150x635x498mm
[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.	

Recommended Settings (Without Communication)	
Setting	FLA48314TG2-TS
Max. Charging Voltage	57.6V
Floating Charging Voltage	57.6V
Max. Charging Current	150A*N
Cut-off Voltage	44.8V
Notes: 'N' means the number of battery packs connected in parallel.	

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EARN

Scan to Join

Event Details