

24 V / 25.6 V LIFEPO4 BATTERY SERIES

Four capacities on a 25.6 V platform for larger RV, marine and off-grid banks where 12 V paralleling becomes impractical.

Models	4	Nominal voltage	25.6 V	Capacity range	50 Ah - 300 Ah
Energy range	1,280 Wh - 7,680 Wh	Warranty	3 years	MOQ	10 units (samples from 1)

ELECTRICAL SPECIFICATION

MODEL	FT-2450	FT-24100	FT-24200	FT-24300
Nominal capacity	50 Ah	100 Ah	200 Ah	300 Ah
Nominal energy	1,280 Wh	2,560 Wh	5,120 Wh	7,680 Wh
Nominal voltage	25.6 V	25.6 V	25.6 V	25.6 V
Charging voltage	29.2 V	29.2 V	29.2 V	29.2 V
Cut-off voltage	20 V	20 V	20 V	20 V
Cell configuration	8S	8S	8S	8S
Series / parallel support	Up to 2S and 2P	Up to 2S and 2P	Up to 2S and 2P	Up to 2S and 2P
Max. charge current	50 A	100 A	200 A	200 A
Max. discharge current	50 A	100 A	200 A	200 A
Max. discharge power	1,280 W	2,560 W	5,120 W	7,680 W
Cycle life	≥ 3,000 cycles	≥ 3,000 cycles	≥ 3,000 cycles	≥ 3,000 cycles

MECHANICAL AND ENVIRONMENTAL

MODEL	FT-2450	FT-24100	FT-24200	FT-24300
Terminal	M8	M8	M8	M8
Product size (L×W×H)	307 × 169 × 208 mm	532 × 207 × 215 mm	520 × 269 × 220 mm	640 × 245 × 220 mm
Net weight	≈ 11 kg	≈ 19 kg	≈ 37 kg	≈ 48 kg
Package size (L×W×H)	600 × 280 × 283 mm	600 × 280 × 283 mm	585 × 340 × 305 mm	722 × 295 × 275 mm
Gross weight	≈ 12 kg	≈ 20 kg	≈ 38 kg	≈ 50 kg
Case material	ABS or metal	ABS or metal	ABS or metal	ABS or metal

MODEL	FT-2450	FT-24100	FT-24200	FT-24300
Charging temperature	0 ~ 50 °C	0 ~ 50 °C	0 ~ 50 °C	0 ~ 50 °C
Discharging temperature	-20 ~ 60 °C	-20 ~ 60 °C	-20 ~ 60 °C	-20 ~ 60 °C

BMS PROTECTION, CERTIFICATION AND SUPPLY

BMS protection	Overcharge protection, over-discharge protection, over-current protection, short-circuit protection and over-temperature protection.	Certification	IEC 62619 (product-level, per catalogue). CE, FCC, UN 38.3, MSDS and RoHS held at company level - request the certificate that names your model and destination market.
Case material	ABS or metal	Options	Bluetooth module or LCD state-of-charge display
OEM / ODM	Cells, BMS parameters and protocol, enclosure, terminal layout, label and packaging built to specification.	Lead time	Samples 7-10 days. Production 25-35 days, subject to configuration and volume.

Quotation on request. Price depends on model, quantity, application, customisation and delivery terms. Send the model code and form factor, destination country, target quantity and any BMS protocol requirement to **info@safecloudpower.com** or +86 132 4240 7897. Shenzhen Safecloud Energy Inc., Building 17, Zhongpengcheng Industrial Park, Matian Street, Guangming District, Shenzhen. Production bases in Henan and Anhui.