

12 V / 12.8 V LIFEPO4 BATTERY SERIES

Six capacities on one 12.8 V platform for RV house systems, marine, golf carts, trolling motors and off-grid solar.

Models	6	Nominal voltage	12.8 V	Capacity range	50 Ah - 400 Ah
Energy range	640 Wh - 5,120 Wh	Warranty	3 years	MOQ	10 units (samples from 1)

ELECTRICAL SPECIFICATION

MODEL	FT-1250	FT-12100	FT-12150	FT-12200	FT-12300	FT-12400
Nominal capacity	50 Ah	100 Ah	150 Ah	200 Ah	300 Ah	400 Ah
Nominal energy	640 Wh	1,280 Wh	1,920 Wh	2,560 Wh	3,840 Wh	5,120 Wh
Nominal voltage	12.8 V	12.8 V	12.8 V	12.8 V	12.8 V	12.8 V
Charging voltage	14.6 V	14.6 V	14.6 V	14.6 V	14.6 V	14.6 V
Cut-off voltage	10 V	10 V	10 V	10 V	10 V	10 V
Cell configuration	4S	4S	4S	4S	4S	4S
Series / parallel support	Up to 4S and 4P	Up to 4S and 4P	Up to 4S and 4P	Up to 4S and 4P	Up to 4S and 4P	Up to 4S and 4P
Max. charge current	50 A	100 A	100 A	200 A	300 A	300 A
Max. discharge current	50 A	100 A	100 A	200 A	300 A	300 A
Max. discharge power	640 W	1,280 W	1,920 W	2,560 W	3,840 W	3,840 W
Cycle life	≥ 3,000 cycles	≥ 3,000 cycles	≥ 3,000 cycles	≥ 3,000 cycles	≥ 3,000 cycles	≥ 3,000 cycles

MECHANICAL AND ENVIRONMENTAL

MODEL	FT-1250	FT-12100	FT-12150	FT-12200	FT-12300	FT-12400
Terminal	M6	M8	M8	M8	M8	M8
Product size (L×W×H)	198 × 166 × 170 mm	307 × 172 × 215 mm	345 × 190 × 245 mm	532 × 207 × 215 mm	520 × 269 × 220 mm	520 × 269 × 220 mm
Net weight	≈ 6 kg	≈ 10 kg	≈ 13.5 kg	≈ 19 kg	≈ 29 kg	≈ 38 kg
Package size (L×W×H)	230 × 195 × 205 mm	360 × 230 × 271 mm	422 × 242 × 298 mm	600 × 280 × 283 mm	585 × 340 × 305 mm	585 × 340 × 305 mm
Gross weight	≈ 6.5 kg	≈ 11 kg	≈ 15 kg	≈ 20 kg	≈ 30 kg	≈ 40 kg
Case material	ABS or metal	ABS or metal	ABS or metal	ABS or metal	ABS or metal	ABS or metal

MODEL	FT-1250	FT-12100	FT-12150	FT-12200	FT-12300	FT-12400
Charging temperature	0 ~ 50 °C	0 ~ 50 °C	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	-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.