

51.2 V FLOOR-STANDING HOME ESS BATTERY

Free-standing residential and light-commercial storage at 15.36 and 20.48 kWh, moved on castors and cabled from the front.

Models	2	Nominal voltage	51.2 V	Capacity range	300 Ah - 400 Ah
Energy range	15,360 Wh - 20,480 Wh	Warranty	5 years	MOQ	10 units (samples from 1)

ELECTRICAL SPECIFICATION

MODEL	FT-48300	FT-48400
Nominal capacity	300 Ah	400 Ah
Nominal energy	15,360 Wh	20,480 Wh
Nominal voltage	51.2 V	51.2 V
Charging voltage	58.4 V	58.4 V
Cut-off voltage	40 V	40 V
Cell configuration	16S	16S
Charge current	200 A	200 A
Discharge current	200 A	200 A
Max. peak current (3 s)	300 A	300 A
Expandability	1-15 in parallel	1-15 in parallel
Communication	RS485, CAN (RS232 optional)	RS485, CAN (RS232 optional)
Cycle life	6,000 cycles	6,000 cycles

MECHANICAL AND ENVIRONMENTAL

MODEL	FT-48300	FT-48400
Terminal	M8	M8
Product size (L×W×H)	575 × 385 × 610 mm	645 × 385 × 815 mm
Net weight	≈ 138 kg	≈ 200 kg
Package size (L×W×H)	610 × 425 × 875 mm	715 × 465 × 1180 mm
Gross weight	≈ 155 kg	≈ 220 kg

MODEL	FT-48300	FT-48400
Case material	Metal, castor wheels	Metal, castor wheels
Charging temperature	0 ~ 50 °C	0 ~ 50 °C
Discharging temperature	-20 ~ 60 °C	-20 ~ 60 °C

Model codes are shared across form factors. FT-48100, FT-48200, FT-48300 and FT-24300 are used by more than one SafeCloud product family, and the electrical rating is the same while the enclosure, dimensions and weight are not. Always state the form factor together with the model code on enquiries, purchase orders and shipping documents - for example "FT-48300, Floor-standing" - so the correct enclosure, packing dimensions and freight class are applied.

BMS PROTECTION, CERTIFICATION AND SUPPLY

BMS protection	Overcharge protection, over-discharge protection, over-current protection, short-circuit protection and over-temperature protection.	Certification	UN 38.3, MSDS, CE, FCC. ISO 9001 quality system. Request the certificate that names your model and destination market.
Case material	Metal, castor wheels	Options	Bluetooth or WiFi monitoring module; RS232 in place of RS485
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.