

WT48150

Intelligent Lithium Battery



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Composed of 15 prismatic 3.2V cells, WT48150 has been tested at 6000+ deep discharge cycles to 80% DOD @68 °F with IP54 enclosure and set up RS232, RS485, Can port. It supports max 100A charge current and max 32 in parallel according to customers' needs. It can support the operation of various household appliances and telecom station backup. 100A BMS is set in the battery to detect the overcharge and overdischarge of the current to protect the battery.

Safety Certified via:

UN38.3, CE, MSDS

Energy
48V 150Ah
(7.20KWh)

Weight
65KG

Built-in BMS
100A

★ INTELLIGENT DESIGN

intelligent detection, SOC&SOH management, simplified O&M, and self-management (SOH must be used together with the NetEco license)

★ INTELLIGENT COLLABORATION

with the intelligent power system to realize intelligent features (such as intelligent peak shaving, intelligent peak staggering, intelligent voltage boosting, and intelligent hybrid use). With the intelligent management system: realize intelligent features (such as cloud peak shaving, cloud peak staggering, cloud voltage boosting, and cloud hybrid use).

★ INTELLIGENT SOFTWARE ANTI-THEFT DESIGN

GPS, intelligent software lock, displacement lock, and buzzer alarm

★ HIGH RELIABILITY DESIGN

integrated BMS design, long service life

★ HIGH-DENSITY DESIGN

100 Ah with only 3 U high

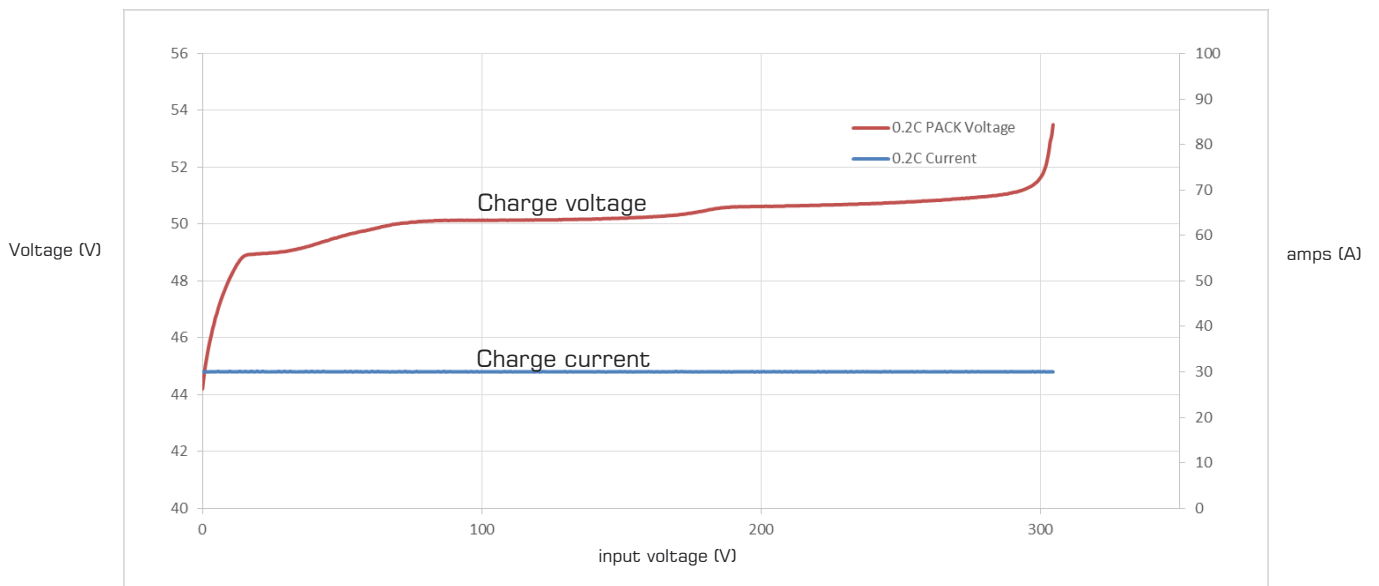


SPECIFICATIONS

Basic Parameters	
Product mode	WT48150
Cathode material	LiFePO4
Nominal voltage	48 Vdc
Nominal charging voltage	56.4 Vdc
Max. charging/discharging current limited	100 A / 100 A @ 35°C
Max. charging / discharging power	4800 W
Cycle life	3500 cycles @ 0.5C, 85% DOD, 70% EOL, 35°C
Nominal capacity	150 Ah @ 0.2C, 35°C
Weight	Approx. 65 kg
Dimension (W×D×H)	442 mm×560 mm×3U (excluding mounting ear)
Installation type	Standard 19" rack, Air conditioning system or direct ventilation cabinet
Self discharge @ 25°C	Less than 5% after 90 days storage
Communication interface	CAN / RS485; 2 dry contacts
Max. Quantity of Parallel Connection	CAN: 32; RS485: 16
Terminal	M6, torque 4 N·m
Protection & Alarm	Over temperature, overcurrent, short circuit, overcharge, overdischarge, etc.
Certification	CE, UN38.3
Design life	15 years

Environment	
Storage temperature ^②	Storage: 0°C to 40°C
Transportation temperature	-40°C to 60°C
Operating temperature ^③	Charging: 0°C to 45°C; Discharging: -20°C to 45°C
Relative humidity	5% to 100%
Operating atmospheric pressure	61kPa~113kPa

CHARGE CURVE @ 0.2C, 35°C



DISCHARGE PERFORMANCE @ DIFFERENT DISCHARGE RATE @ 35°C

