

UE-T SERIES

48LI200

48V 200Ah

Upower



48V Series
200Ah

SAFETY

- + Long life type prismatic LiFePO₄ cells, suitable for energy storage application.
- + Low voltage system, safety for application.
- + Battery certification: UN38.3, MSDS, CE
- + Cycle life >4000 cycles.

DESIGN

- + Standard 19" rack design, flexible and easily installation.
- + -20~+55°C widely t + emperature range.
- + Parallel support for more energy or more capacity inverter.
- + SOC, RUN, ALARM display and BMS PC software.
- + OVP, LVP, OCP, OTP, LTP, Short circuit protection.
- + RS232, RS485, CAN communication port .
- + Independent protection for charge and discharge.
- + High reliability: AFE microchip is Panasonic & MCU is ST
- + Optional part: Gyroscope anti-theft module, SNMP, Bluetooth module, GPS anti-theft module.

UE-T SERIES

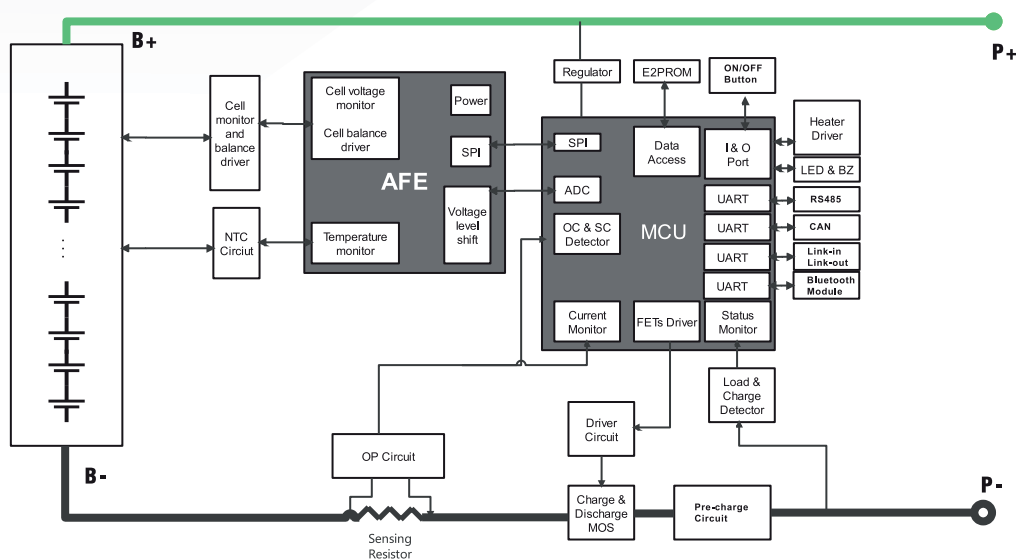
48LI200

48V 200Ah

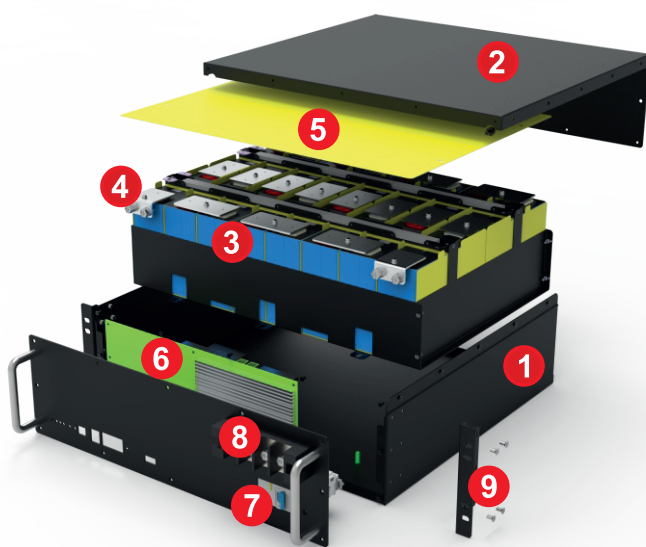
Upower

RESS BATTERY -48V

SYSTEM TOPOLOGY



SYSTEM TOPOLOGY



- ① Battery Case: SPCC with black painting
- ② Battery Cover: SPCC with black painting
- ③ LFP Cells (15S for 48V, 16S for 51.2V)
- ④ Aluminum Bar -A1060
- ⑤ Epoxy Board
- ⑥ BMS- Ritar
- ⑦ MCB
- ⑧ Power Terminal
- ⑨ Brackets

Corriente de descarga de la batería(A)

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PARAMETERS - 48V

MODEL	UE-48LI200T-SLCD2
Nominal Voltage [V]	48
Nominal Capacity [Ah]	200
Total Energy [Wh]	9600
Dimension (W*D*H, mm)	442*500*250
Weight [Kg]	78.4
Max. Charging Current [A]	100
Max. Discharging Current [A]	100
Pulse Discharge Current	110A @10min 120A @10s
Charging Voltage [V]	51.8~54.7
End of Discharge Voltage [V]	42 (Backup Application) / 45 (Cycle Application)
Operation Humidity	0~95% RH (No condensing)
Operating Temperature Range (1)	Charge: 0 ~ +55°C; Discharge: -20 ~ +55°C
Cycle Life (2)	6000
Designed Calendar Life	10 Years
Communication interface	RS232*1, RS485*1, CAN*1, Dry contact *2
Protection	Over voltage , Low voltage, Over current, Over Temperature, Low Temperature, Short circuit
Parallel Support (3)	Yes, Max. 15 Sets
Series Support	Not support
IP Class	IP20
Certification (4)	UN38.3, MSDS, CE

Note:

(1) Normally the Li-ion battery operation temperature range is : discharge -20~+55°C, charge 0~+55°C, If the optional heater is stalled, it will automatic start to work once the cell temperature is below 5°C and the heater can help to increase cell temperature 4~8°C/hour. With Optional Heater: Charge / Discharge: -30 ~ +55°C

(2) 4000cycles at 25°C ,0.5C/0.5C, 100%DOD and 80% EOL
6000cycles at 25°C, 0.5C/0.5C, 80%DOD and 80% EOL

(3) For parallel power cable connection, refer to user manual.

(4) Some models cell have UL , IEC certification,

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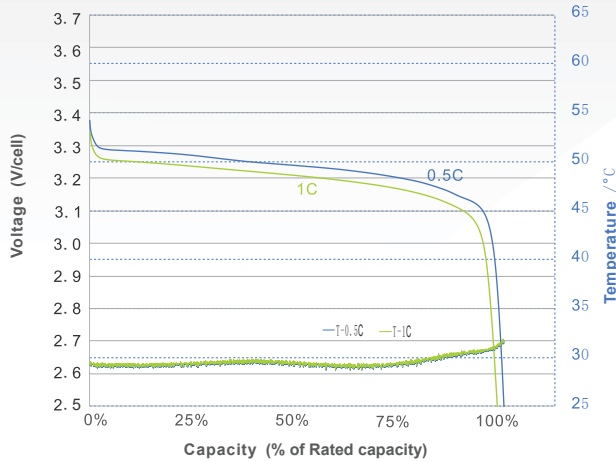
48L1200

48V 200Ah

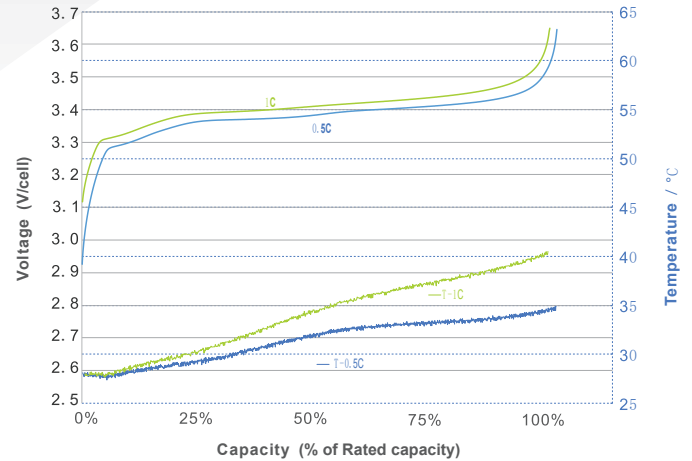
U^{power}

PERFORMANCE CURVE

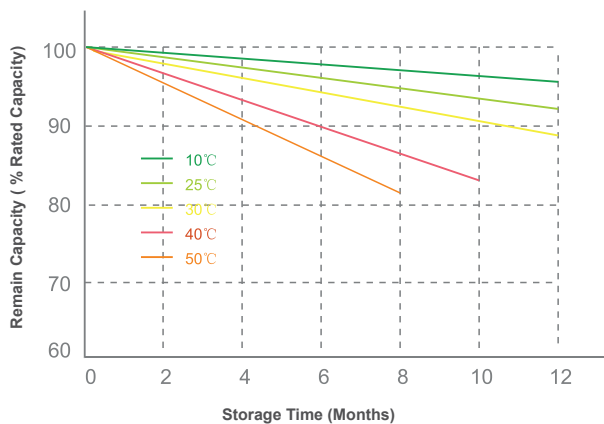
DIFFERENT DISCHARGE RATE AND TEMPERATURE CHARACTERISTIC



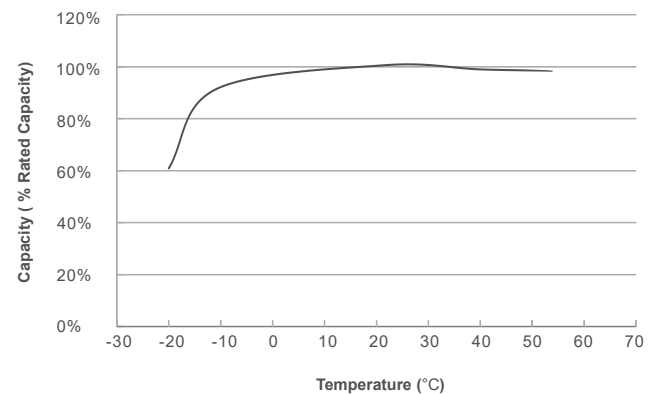
DIFFERENT CHARGE RATE AND TEMPERATURE CHARACTERISTIC



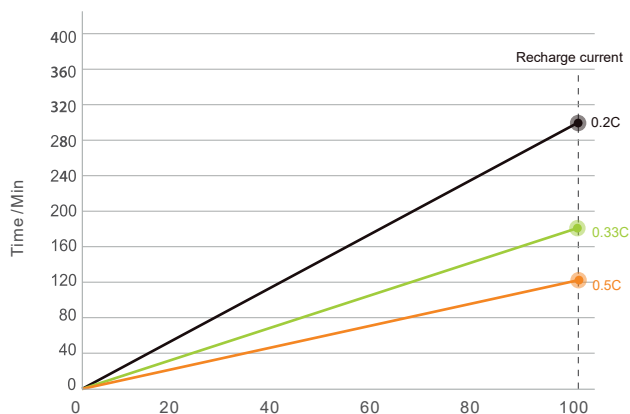
DIFFERENT TEMPERATURE SELF DISCHARGE CURVE



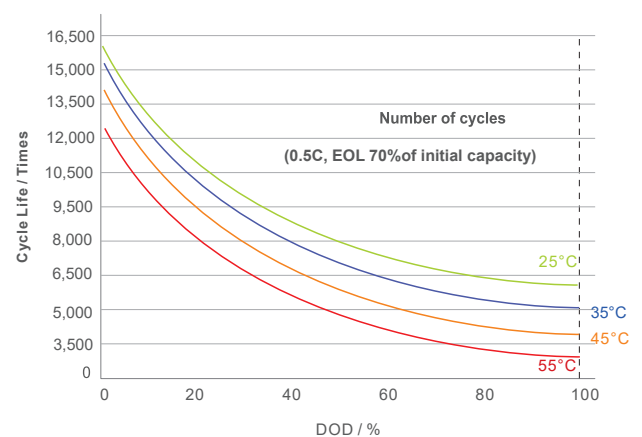
CAPACITY WITH DIFFERENT TEMPERATURE



TIPYCAL RECHARGE TIME



TYPICAL CYCLE LIFE



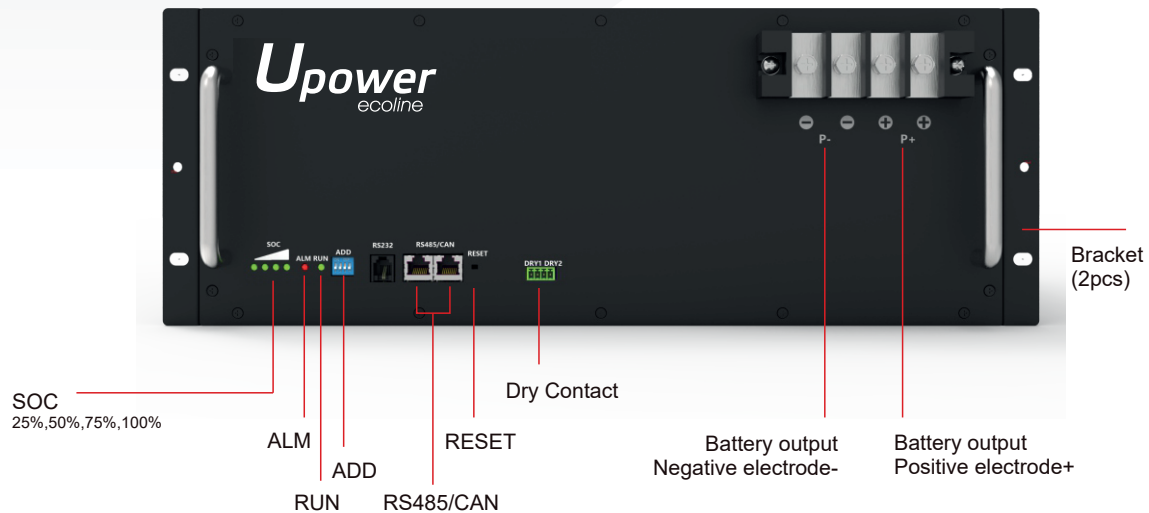
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FRONT PANEL



OPTIONAL PARTS: BLUETOOTH MODULE AND APP

