

## UE-T Series 48Li100

T E L E C O M



### Safety

- Prismatic LFePO<sub>4</sub> cells, Longer cycle life and much more safety.
- Low voltage system, safety for application.
- UN38.3, IEC certification for system.

### Scalability

- Parallel support for more energy.
- Optional accessories for LCD display, Anti-theft, remote monitoring purpose.

### Design

- Standard 19" rack design.
- Flexible and easily installation.
- -20°C ~ 55°C widely temperature range.
- Maintenance free.

### Battery Management System

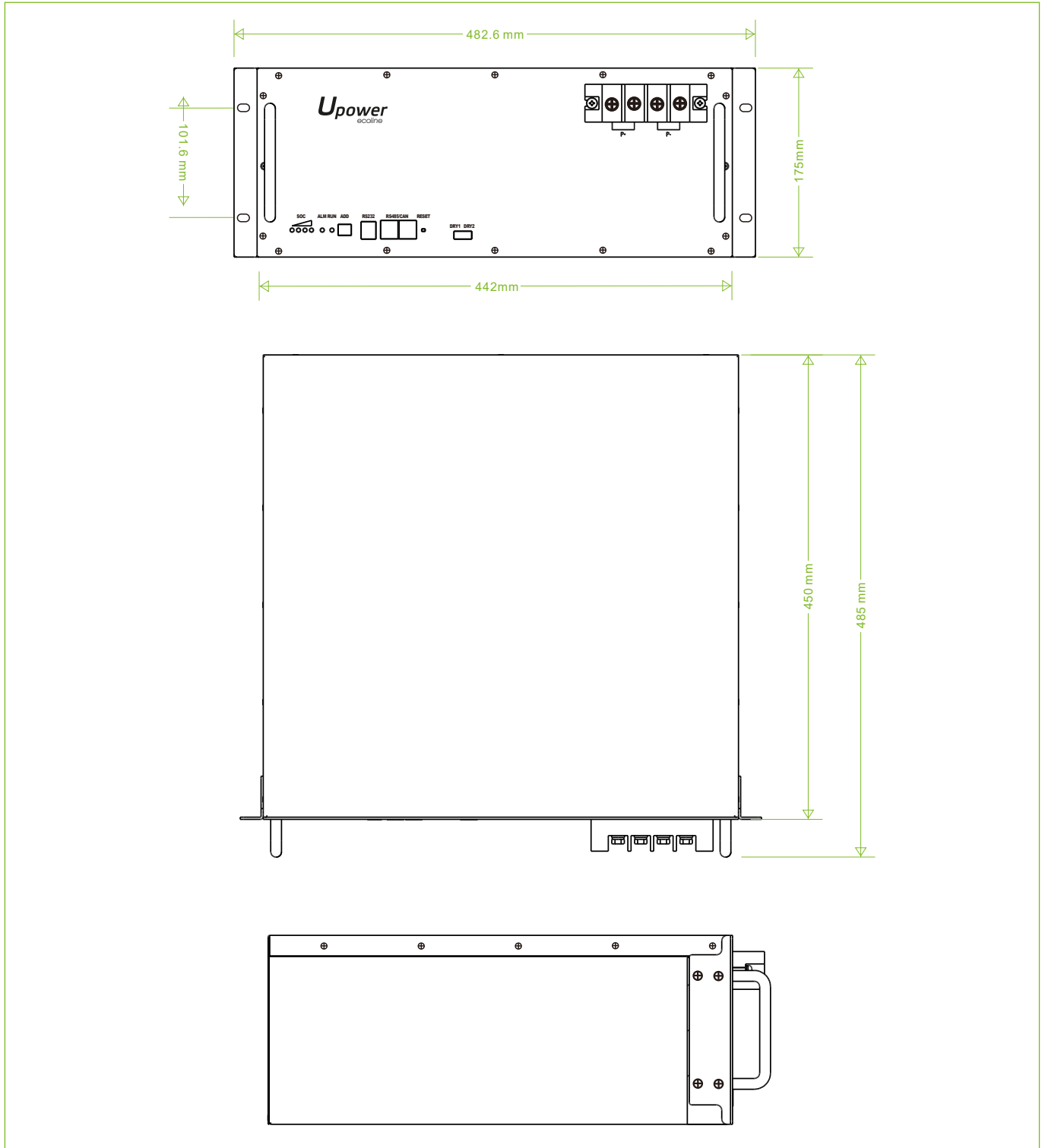
- Independent protection for charge and discharge.
- SOC, SOH display and PC software for detailed operation.
- OVP, LVP, OCP, OTP, LTP protection.
- RS232, RS485 communication port.

### Specifications

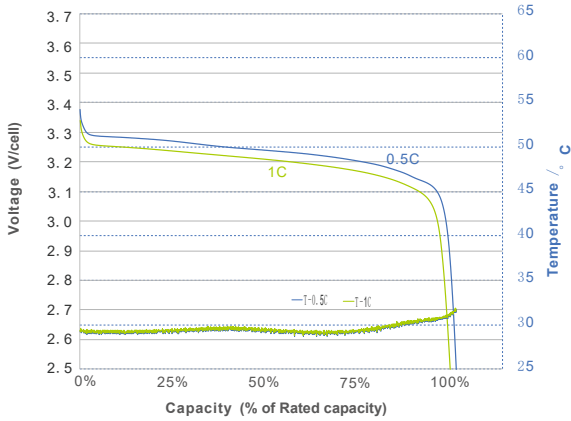
Cell Type	LFP Prismatic cell 50 Ah
Internal Connection	2P 15S
Nominal Voltage (V)	48
Nominal Capacity (Ah)	100
Total Energy (Wh)	4800
Dimension (W*D*H, mm)	442*450*175
Weight (Kg)	48
Max. Charging Current (A)	100
Max. Discharging Current (A)	100
Pulse Discharge Current	120 A @ 1S
Charging Voltage (V)	51.75 ~ 53.25
End Of Discharge Voltage (V)	42
Operation Humidity	0 ~ 95% RH (No condensing)
Operating Temperature Range	Charge: 0 ~ +50°C; Discharge: -20 ~ +55°C
Cycle Life	> 3500
Designed Calendar Life	10 Years
Communication Interface	RS232, RS485, CAN
Protection	Over voltage, Low voltage, Over current, Over Temperature, Low Temperature, Short circuit
Parallel Support	Yes, Max. 16 Sets
Series Support	Not support
Optional Parts	MCB; LCD display; Gyroscope Anti-theft; SNMP module



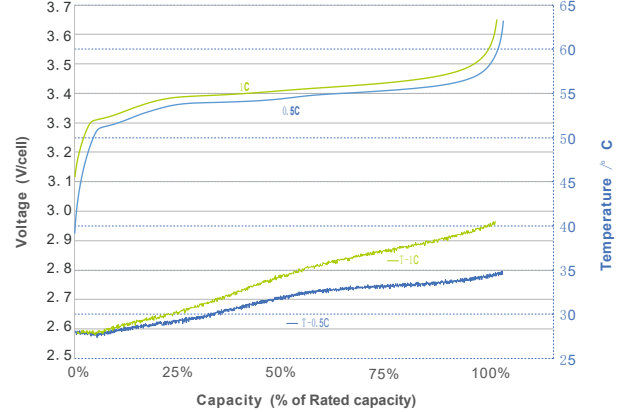
Battery Dimensions



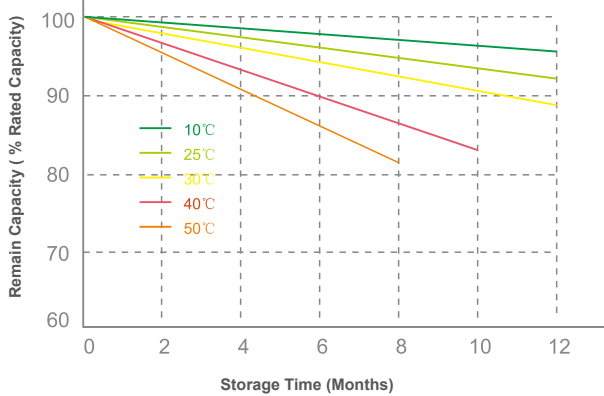
**Different Discharge Rate and Temperature Characteristic**



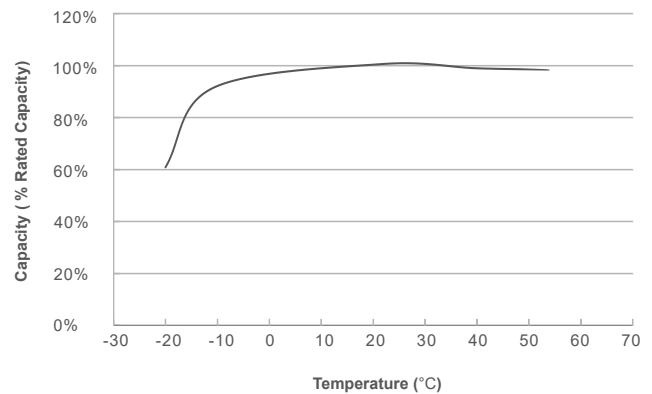
**Different Charge Rate and Temperature Characteristic**



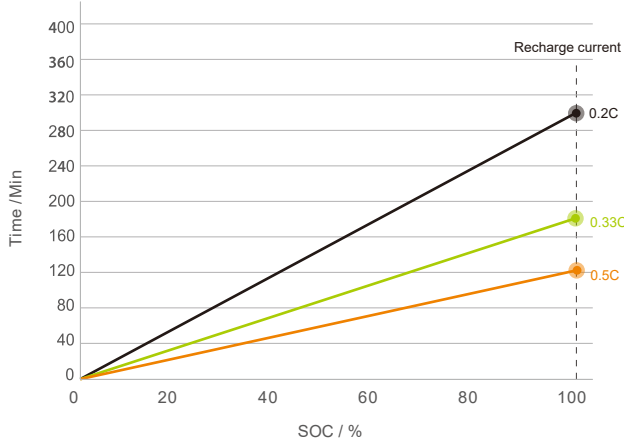
**Different Temperature Self Discharge Curve**



**Capacity with Different Temperature**



**Typical Recharge Time**



**Typical Cycle Life**

