

Series 4000 LITHIUM RACK MOUNTED LI-ION



SAFETY

- + Prismatic LFePO₄ cells, Longer cycle life and much more safety.
- + Low voltage system, safety for application.
- + UN38.3, IEC certification for system.

DESIGN

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

SCALABILITY

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

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.

SERIES 4000 LITHIUM | RACK MOUNTED LI-ION



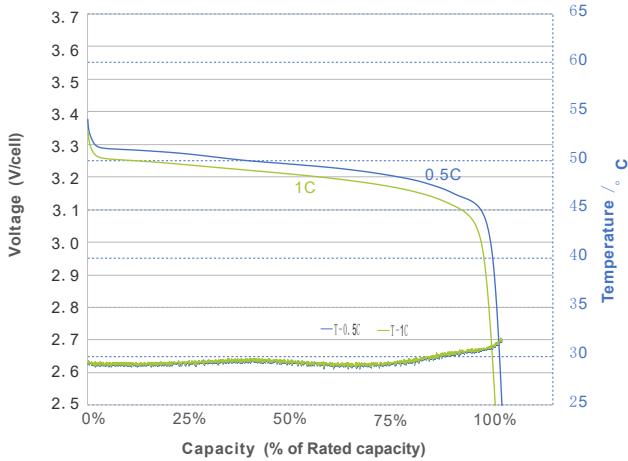
Part Number	DLi48100
Cell Type	LFP Prismatic cell 100Ah
Internal Connection	2P15S
Nominal Voltage [V]	51.2V
Nominal Capacity [Ah]	100
Total Energy [Wh]	4800
Dimension (W*D*H, mm)	442*450*175
Weight [Kg]	50.5
Max. Charging Current [A]	100
Max. Discharging Current [A]	100
Pulse Discharge Current	120A @1S
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;

The data sheet is subject to change without prior notification

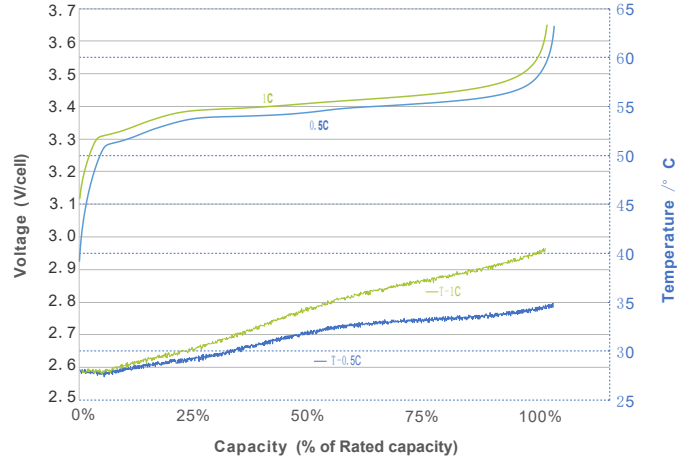
SERIES 4000 LITHIUM | DL48100



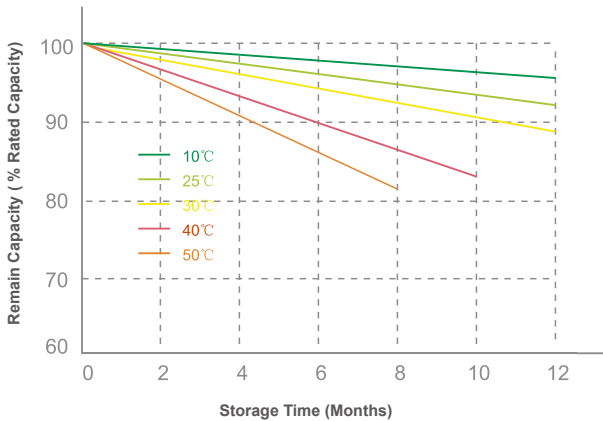
Different Discharge Rate and Temperature Characteristic



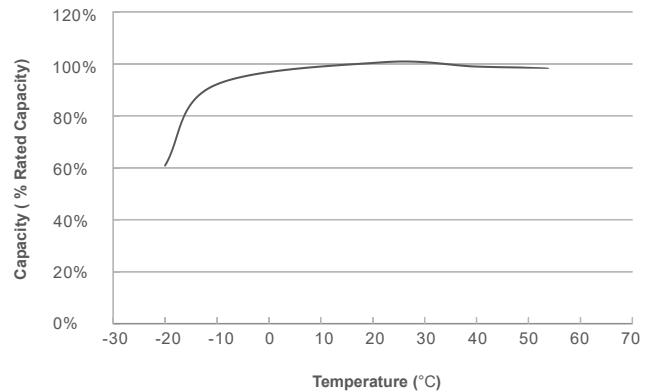
Different Charge Rate and Temperature Characteristic



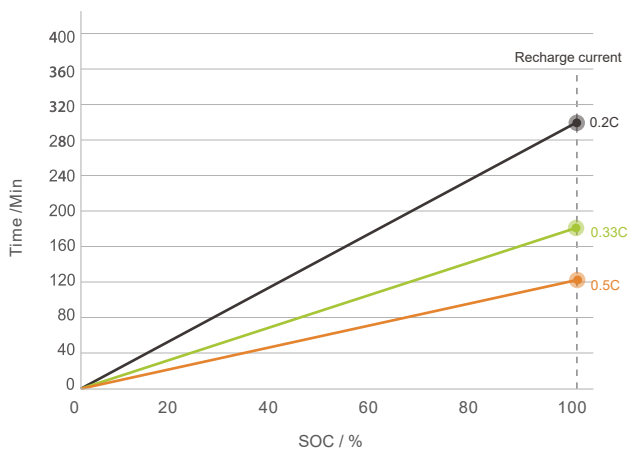
Different Temperature Self Discharge Curve



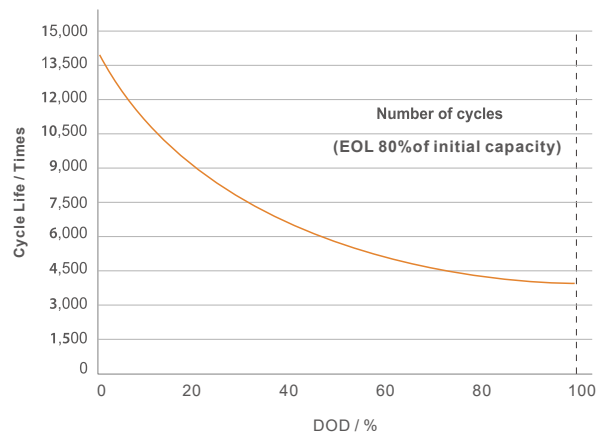
Capacity with Different Temperature



Typical Recharge Time



Typical Cycle Life



DIi48100 | DIMENSIONS

