

STANDARDS



ISO9001



ISO14001



Complied standards

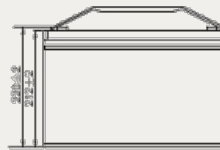
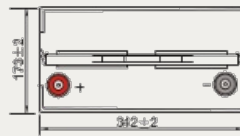
- UL
- TUV
- IEC62133
- CB
- CE
- CCS
- RoHS

12V100Ah lithium (LiFePO4) battery. Lithium Iron Phosphate (LiFePO4) Battery offers up to 20 times longer cycle life and five times longer float/calendar life than lead acid battery. About 40% of the weight of a comparable lead acid battery. RKL is a 'drop in' replacement for lead acid batteries. BMS built-in.

IMAGE



TERMINAL TYPE



SPECIFICATIONS

Nominal Voltage	12.8V
Capacity (25°C)	100AH
Energy	1280Wh
Internal Resistance	≤20 m Ω
Cycle Life	>2000 cycles @1C 100%DOD
Self Discharge	3% of capacity declined per month at 25°C
Efficiency of Charge	100% @0.5C
Efficiency of Discharge	96~99% @1C
Charge Voltage (25°C)	14.6±0.2V
Charge Mode	0.2C to 14.6V, then 14.6V, charge current to 0.02C (CC/CV)
Charger Current	50A
Max. Charge Current	100A
Charge Cut-off Voltage	15.6V±0.2V
Continuous Discharge Current	100A
Max. Discharge Current	120A(<3s)
Discharge Cut-off Voltage	8V
Charge Temperature	0 °C to 45 °C (32F to 113F) @60±25% Relative Humidity
Discharge Temperature	-20 °C to 60 °C (-4F to 140F) @60±25% Relative Humidity
Storage Temperature	0 °C to 40 °C (32F to 104F) @60±25% Relative Humidity
Water Dust Resistance	IP56

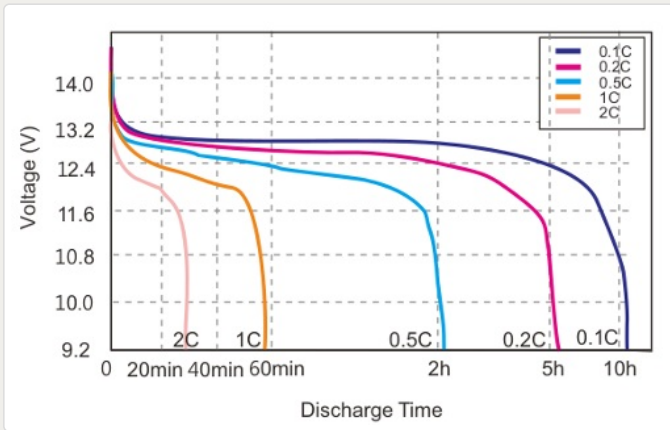
DIMENSIONS

Length	Width
342mm	173mm
Height	Total Height
212mm	212mm
Approx. Weight	13.6Kg

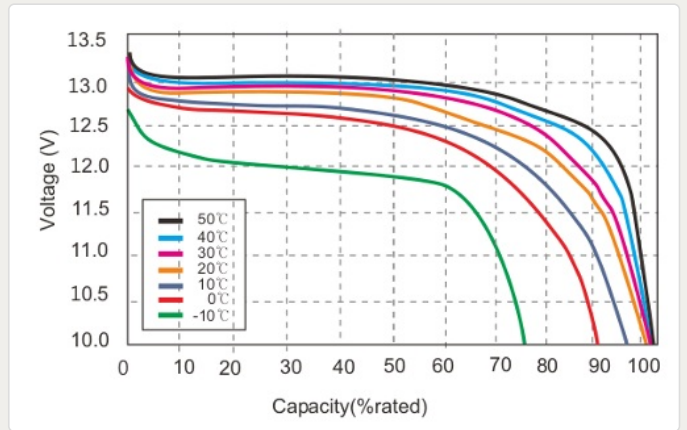
MECHANICAL

Cell (Method)	26650 (4S32P)
Case	ABS
Terminal Type	M8
Protocol (optional)	SMBus/RS485/RS232
SOC (optional)	LED

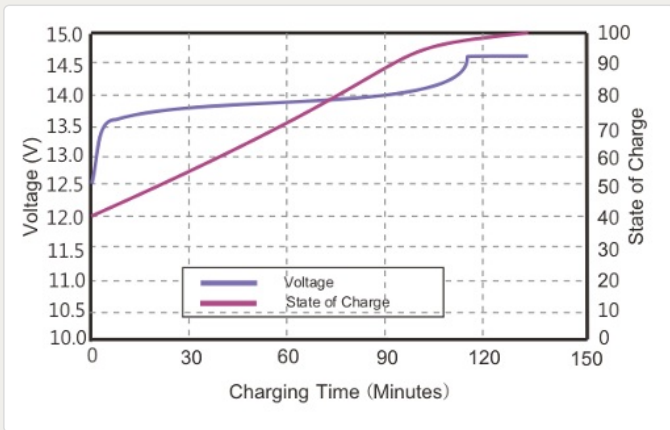
RATE DISCHARGE CHARACTERISTICS 25°C



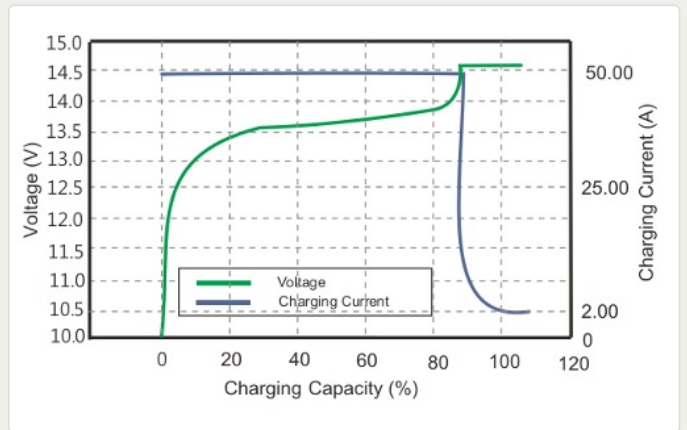
TEMPERATURE DISCHARGE CHARACTERISTICS 25°C



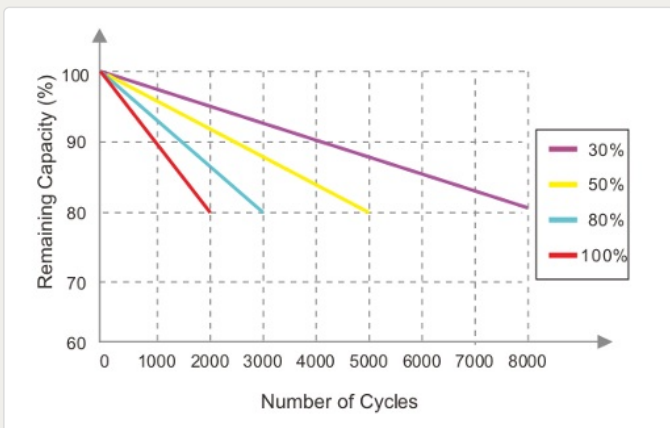
STATE OF CHARGE CURVE



CHARGING CHARACTERISTICS



CYCLE LIFE CURVE



SELFDISCHARGE CHARACTERISTICS

