

12V26Ah 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.

STANDARDS



ISO9001

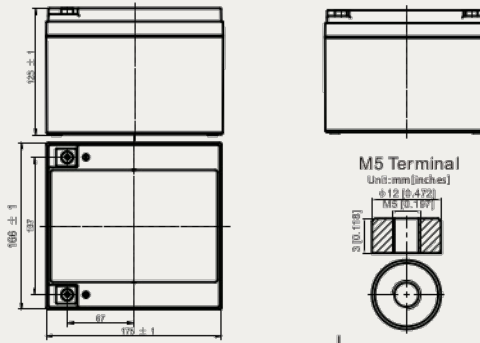


ISO14001

IMAGE



TERMINAL TYPE



Complied standards

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

SPECIFICATIONS

Nominal Voltage	12.8V
Capacity (25°C)	26AH
Energy	332.8Wh
Internal Resistance	≤40 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	20A
Max. Charge Current	30A
Charge Cut-off Voltage	15.6V±0.2V
Continuous Discharge Current	30A
Max. Discharge Current	40A(<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

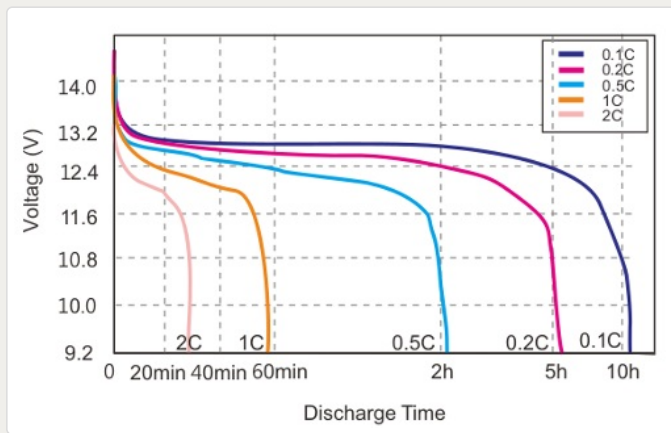
DIMENSIONS

Length	Width
175mm	166mm
Height	Total Height
125mm	125mm
Approx. Weight	4.2Kg

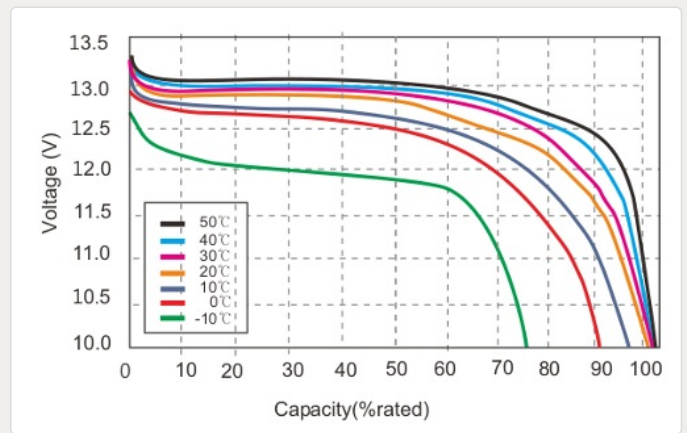
MECHANICAL

Cell (Method)	26650 (4S9P)
Case	ABS
Terminal Type	M5
Protocol (optional)	SMBus/RS485/RS232
SOC (optional)	LED

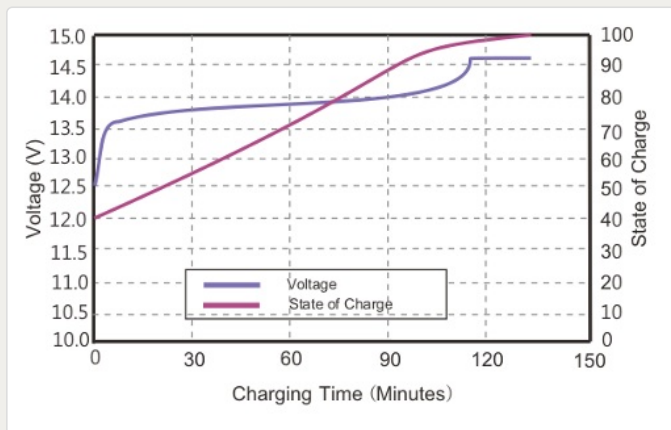
RATE DISCHARGE CHARACTERISTICS 25°C



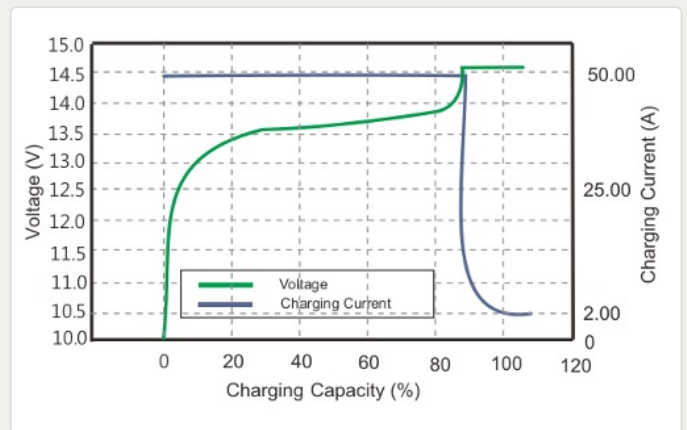
TEMPERATURE DISCHARGE CHARACTERISTICS 25°C



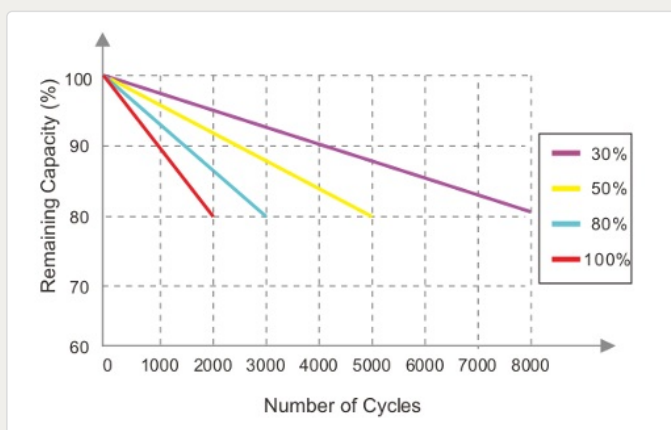
STATE OF CHARGE CURVE



CHARGING CHARACTERISTICS



CYCLE LIFE CURVE



SELFDISCHARGE CHARACTERISTICS

