

12.8V100AH

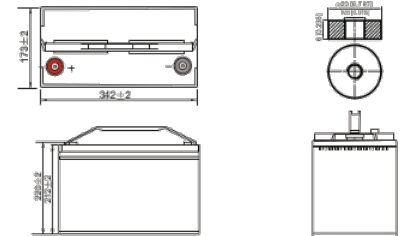
Rekoser Lithium (LiFePO4) Battery

Rekoser 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.



Complied standards

- IEC 60896-21/22
- JIS C8704
- GB/T19639



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

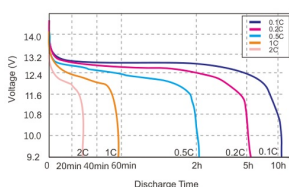
Dimensions	342x173x212(212)
Approx. Weight	13.6

CONSTRUCTION

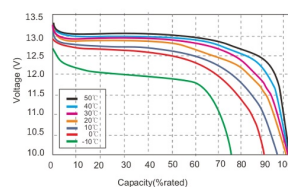
Cell (Method)	26650 (4S32P)
Case	ABS
Terminal Type	M8
Protocol (optional)	SMBus/RS485/RS232
SOC (optional)	LED

GRAPHICS

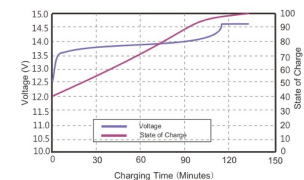
RATE DISCHARGE CHARACTERISTICS 25°C



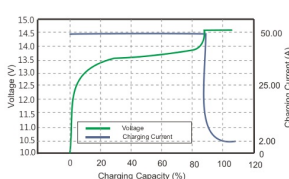
TEMPERATURE DISCHARGE CHARACTERISTICS 25°C



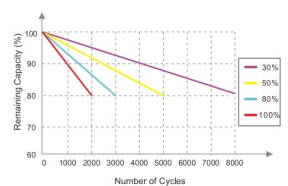
STATE OF CHARGE CURVE



CHARGING CHARACTERISTICS



CYCLE LIFE CURVE



SELF-DISCHARGE CHARACTERISTICS

