

25.6V20AH

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

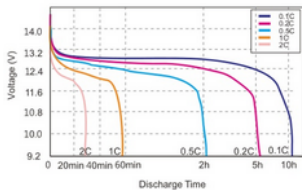


SPECIFICATIONS	
Nominal Voltage	25.6V
Capacity (25°C)	20AH
Energy	512Wh
Internal Resistance	≤100 mΩ @ 50% SOC
Cycle Life	>2000 cycles @1C 100%DOD
Self Discharge	3% of capacity declined per month at 25°C
Efficiency of Charge	100% @0.5C
Efficiency of Discharge	96~99% @1C
Charge Voltage (25°C)	29.2±0.2V
Charge Mode	0.2C to 29.2V, then 29.2V, charge current to 0.02C (CC/CV)
Charger Current	4A
Max. Charge Current	15A
Charge Cut-off Voltage	31.2V±0.2V
Continuous Discharge Current	20A
Max. Discharge Current	85A(<3s)
Discharge Cut-off Voltage	20V
Charge Temperature	0 °C to 45 °C (32F to 113F) @60±25% Relative Humidity
Discharge Temperature	-20 °C to 55 °C (-4F to 140F) @60±25% Relative Humidity
Storage Temperature	-5 °C to 35 °C (32F to 104F) @60±25% Relative Humidity
Water Dust Resistance	IP56

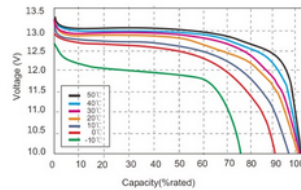
DIMENSIONS AND WEIGHT	
Dimensions (mm)	198x166x176(176)
Weight (kgs)	5.8

CONSTRUCTION	
Cell (Method)	
Case	ABS IP65
Terminal Type	M8
Protocol (optional)	
SOC (optional)	

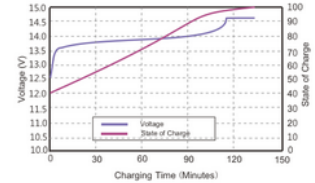
RATE DISCHARGE CHARACTERISTICS 25°C



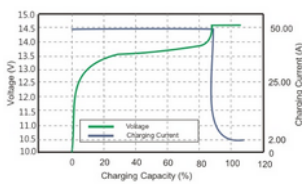
TEMPERATURE DISCHARGE CHARACTERISTICS 25°C



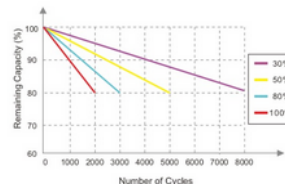
STATE OF CHARGE CURVE



CHARGING CHARACTERISTICS



CYCLE LIFE CURVE



SELFDISCHARGE CHARACTERISTICS

