

DEEP CYCLE LiFePO4
PGL8D300
12.8V / 300AH / 3840WH

Pro-Guide[®]

LITHIUM



FEATURES

UNIT SPECIFICATIONS

Nominal Voltage	12.8V
Rated Capacity	300Ah @0.5C
Circuit Protection	Over Charge, Over Discharge, Over Current Over Temp, Short, Balance
Cycle Life	3000 times Cycles @100% DOD 6000 times @ 80% DOD
Monthly Self Discharge	Less Than 3%
Efficiency of Charge	100% @0.2C
Efficiency of Discharge	98-100% @1C
Charge Voltage	14.4±0.2V
Standard Charge Current	60A
Max Charge Current	150A
Standard Discharge Current	60A
Max Continuous Current	200A
Discharge Cut-Off Voltage	10V
Charge Temperature	0°C to 55°C
Discharge Temperature	-20°C to 60°C @60±25% Relative Humidity
Storage Temperature	-20°C to 45°C
Dimensions	521*267*220mm±2mm
Case/IP Class	Plastic Case/IP65
Terminal	M8
Appx Weight	33kg/72.75lbs

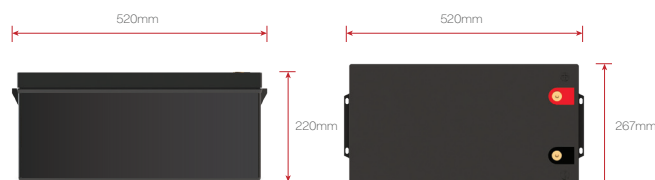
HIGHER QUALIFIED CYLINDRICAL CELL: UL1642, IEC62619, IEC62133 listed with Cycle life more than 3000times and excellent consistency.

STRONGER BMS: Can support the batteries in parallel and series connection

MORE STABLE AND FIRM INTERNAL STRUCTURE:

Cell holders can well protect and separate the cells to avoid any circuit short risk caused by vibration or impact or over current, and improve the heat dissipation.

DIMENSIONS

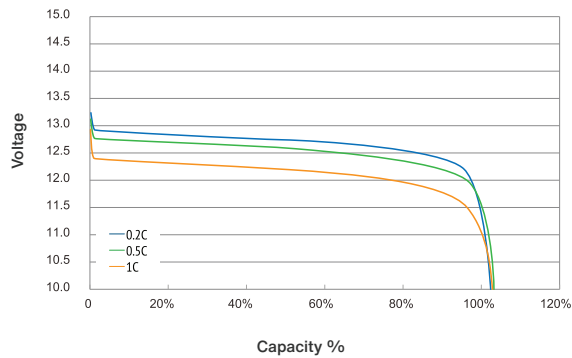




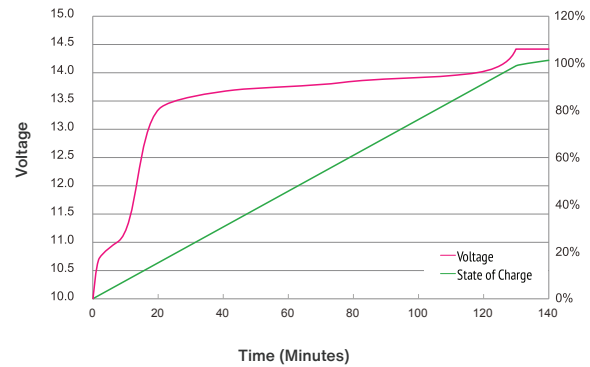
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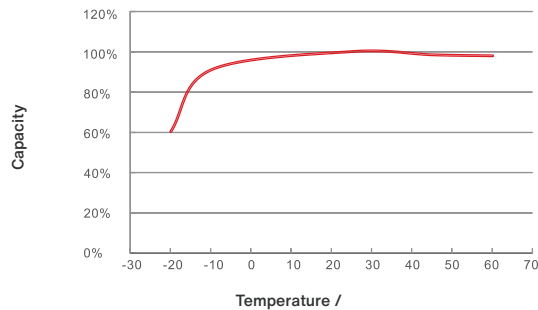
DISCHARGING CHARACTERISTICS (0.2C, 0.5C, 1C @25°C)



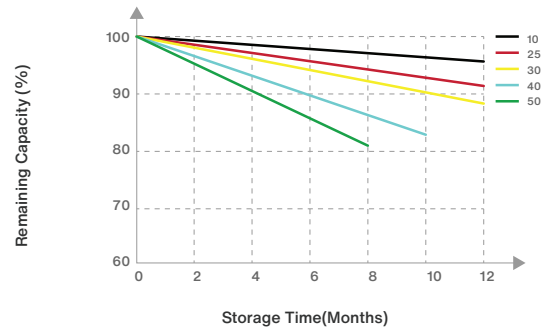
CHARGING CHARACTERISTICS (0.5°C, 25°C)



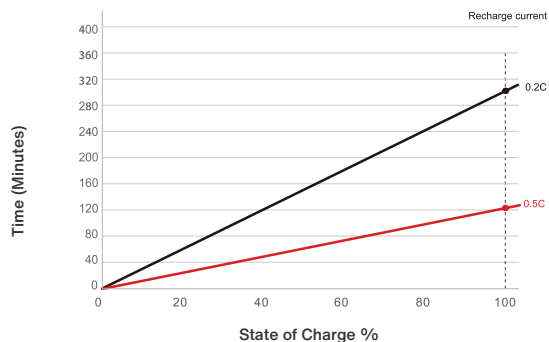
DIFFERENT TEMPERATURE CAPACITY CURVE



DIFFERENT TEMPERATURE SELF DISCHARGE CURVE



TYPICAL CHARGE TIME CURVE



DIFFERENT DOD DISCHARGE CYCLE LIFE CURVE

