

LITHIUM IRON PHOSPHATE BATTERY

ELECTRICAL SPECIFICATIONS

Nominal Voltage	25.6 V
Nominal Capacity	12 Ah
Capacity @ 6A	2Hrs**
Energy (Nominal)	307 Wh
Resistance	< 80 mΩ
Efficiency	95%
Self Discharge	<3% per Month
Cell Type - Chemistry	Cylindrical - LiFePO4
Cell Combination	8S2P

CHARGE SPECIFICATIONS

Recommended Charge Current	6 A
Maximum Charge Current	6 A
Charge Current 14 to 32 °F (-10 to 0 °C)	-
Charge Current -4 to 14 °F (-20 to -10 °C)	-
Recommended Charge Voltage	29.2 V
BMS Charge Voltage Cut-Off	29.2 ± 0.05 V
Reconnect Voltage	27.2V
Balancing Voltage / Current	3.52V / 30±5mA

MECHANICAL SPECIFICATIONS

Dimensions	146 x 139 x 80 mm*
Weight	2.6 Kg
Terminal Type	-
Terminal Torque	-
Case Material	PVC + Epoxy (Optional)
Case Protection	-

DISCHARGE SPECIFICATIONS

Max. Continuous Discharge Current	6A
Peak Discharge Current	12A for 10S
BMS Discharge Current Cut-off	18A
Low Voltage Cut-off	21.6 V ± 0.2V
BMS Reconnect Voltage	23.2 V ± 0.2V
Short Circuit Protection	Yes

TEMPERATURE SPECIFICATIONS

Discharge Temperature	-20°C to +55°C
Charge Temperature	10°C to +55°C
Storage Temperature*	25°C for long storage
BMS High Temperature Cut-Off	80°C
Reconnect Temperature	-

*Refer to charge currents 25°C
** In Ideal conditions

DIMENSIONAL SPECIFICATIONS

