

HS-DL48V150Ah

LITHIUM IRON PHOSPHATE BATTERY

ELECTRICAL PERFORMANCE

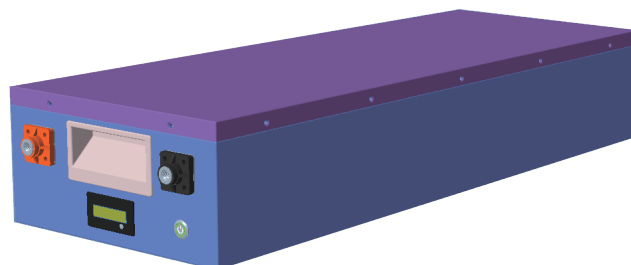
Nominal Voltage	48V
Nominal Capacity	150 Ah
Capacity @ 20A	300 min
Energy	7200 Wh
Resistance	≤30 mΩ @ 50% SOC
Self Discharge	<3% / Month
Cells	Square Cell 3.7V150Ah

CHARGE PERFORMANCE

Recommended Charge Current	30 A
Maximum Charge Current	50 A
Recommended Charge Voltage	56.55V
Charge Cut-Off Voltage	<57.2 V (0.5 ~ 1.5 s)
Reconnect Voltage	> 54.6V
Balancing Voltage	<52V
Maximum Batteries in Series	No
Maximum Batteries in Parallel	4

DISCHARGE PERFORMANCE

Continuous Discharge Current	30 A
Maximum continuous Discharge Current	200 A
Peak Discharge Cut-Off Current	230±10A
Recommended Low Voltage Disconnect	36.4V
Discharge Cut-Off Voltage	36.4 V
Reconnect Voltage	39 V
Short Circuit Protection	200 ~ 600 μs 1150A



MECHANICAL PERFORMANCE

Dimension (L x W x H)	730 x 268 x 134mm
Approx. Weight	39.7kg
Terminal Type	M8
Terminal Torque	80 ~ 100 in-lbs (9 ~ 11 N-m)
Case Material	Metal
Enclosure Protection	IP65

TEMPERATURE PERFORMANCE

Discharge Temperature	-4 ~ 140 °F (-20 ~ 60 °C)
Charge Temperature	32 ~ 113 °F (0 ~ 45 °C)
Storage Temperature	23 ~ 95 °F (-5 ~ 35 °C)
High Temperature Cut-Off	149 °F (65 °C)
Reconnect Temperature	118 °F (48 °C)

COMPLIANCE

Certifications	UN38.3, MSDS
Shipping Classification	UN 3480, CLASS 9

OUTLINE DIMENSION



L mm	W mm	H mm	HT mm(")
730	268	134	216(8.5)