PRO POWER LITHIUM

PPF130L

LiFePO4 LITHIUM-ION DEEP CYCLE BATTERY

2 YEARS WARRANTY

130AH

ELECTRICAL SPECIFICATIONS

Nominal Voltage	12.8 V
Nominal Capacity	130 Ah
Capacity @ 25A	312 min
Energy	1664 Wh
Resistance	˜10 m° @ 50% S OC
Efficiency	99%
Self Discharge	<3% per Month
Maximum Modules in Series	4

MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	15.5 x 4.3 x 11.3" 395 x 110 x 286 mm
Weight	30.4 lbs (13.8 kg)
Terminal Type	M8
Terminal Torque	88.5 - 106.2 in-lbs (10 - 12 N-m)
Case Material	ABS
Enclosure Protection	IP65
Cell Type - Chemistry	Cylindrical - $LiFePO_4$

DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	50 A
Peak Discharge Current	100A (5 s)
BMS Discharge Current Cut-Off	180 A (0.7 s ~1.3 s)
Recommended Low Voltage Disconnect	10 V
BMS Discharge Voltage Cut-Off	9.2 V (2.3 ± 0.1 vpc)
Reconnect Voltage	10.8 V (2.7 ± 0.1 vpc)
Short Circuit Protection	200-600 ¸s

CHARGE SPECIFICATIONS

Recommended Charge Current	50 A
Maximum Charge Current	50 A
Recommended Charge Voltage	14.6 ± 0.2 V
BMS Charge Voltage Cut-Off	14.6 V (3.65 ± 0.1 vpc) (0.5~2 s)
Reconnect Voltage	14.1 V (3.525 ± 0.1 vpc)
Balancing Voltage	14.4 V (3.6 ± 0.1 vpc)

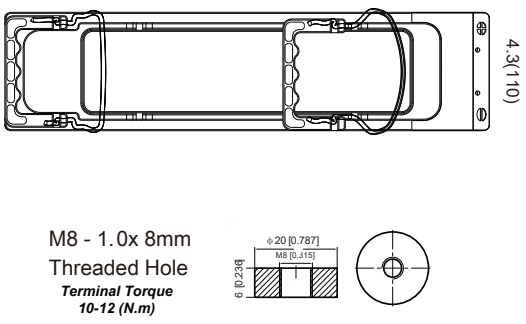
TEMPERATURE SPECIFICATIONS

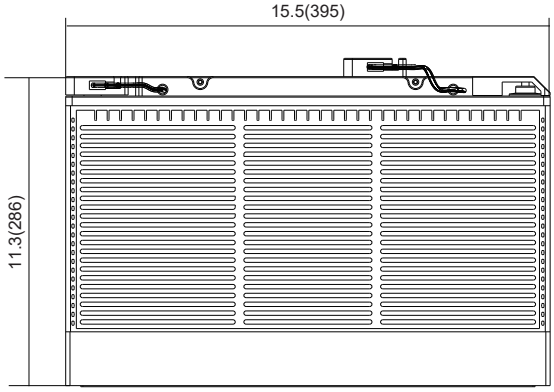
Discharge Temperature	-4 to 140 °F (-20 to 60 °C)
Charge Temperature	32 to 113 °F (0 to 45 °C)
Storage Temperature	32 to 104°F (0 to 40 °C)
BMS High Temperature Cut-Off	149°F (65 °C)
Reconnect Temperature	131°F (55 °C)

COMPLIANCE SPECIFICATIONS

Certifications	CE (battery)UN38.3 (battery) UL1642 & IEC62619 (cells)
Shipping Classification	UN 3480, CLASS 9

DIMENSIONAL SPECIFICATIONS





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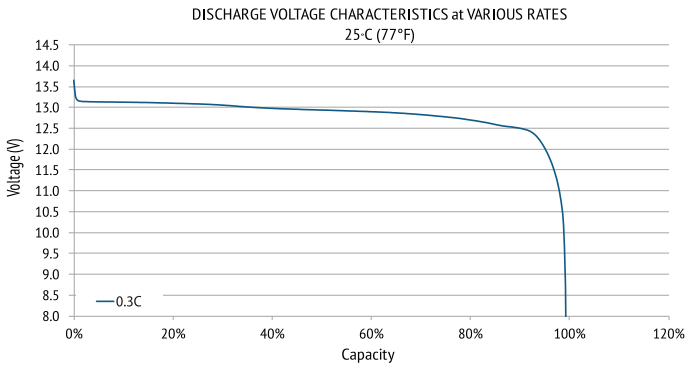
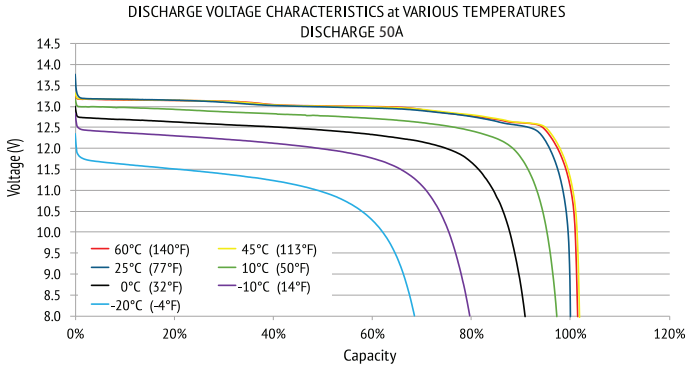
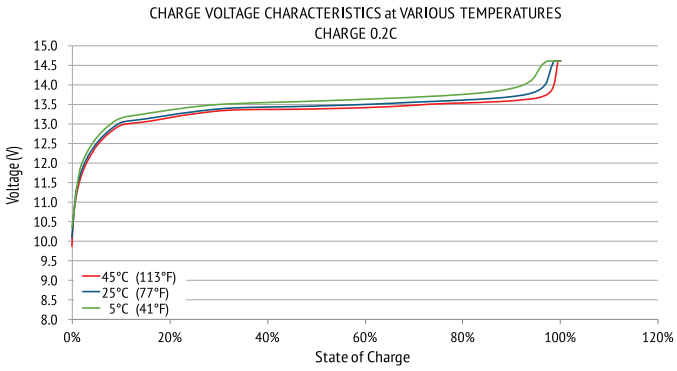
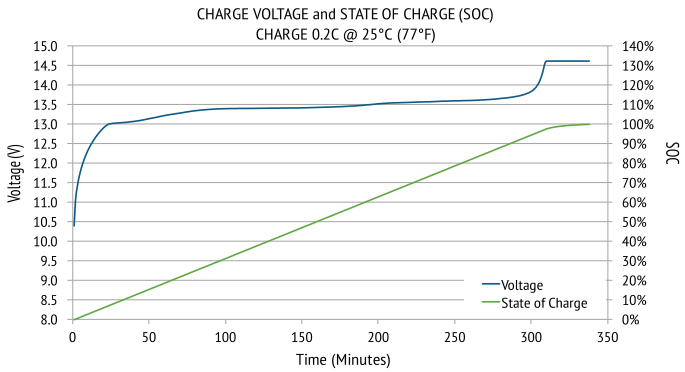
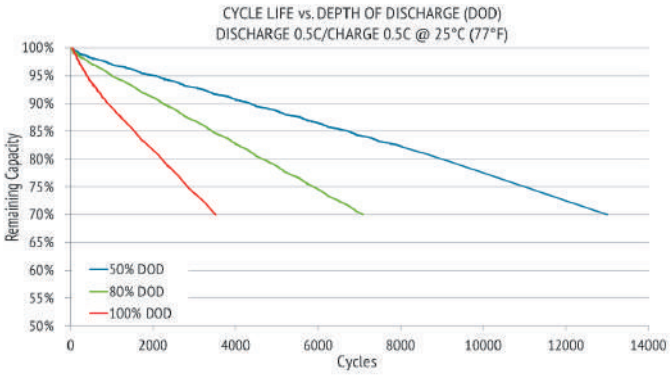
PERFORMANCE CHARACTERISTICS

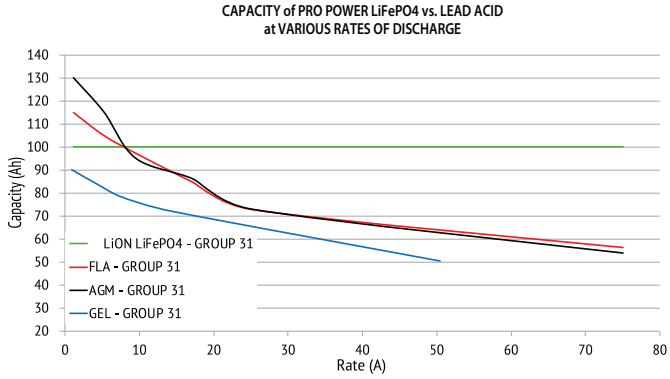












(CELLS)

UN38.3 CE IEC 12 Lithium

Ver. 10/2024