

LITHIUM IRON PHOSPHATE BATTERY

ELECTRICAL PERFORMANCE

Nominal Voltage	25.6 V
Nominal Capacity	200 Ah
Capacity @ 20A	600 min
Energy	5120 Wh
Resistance	≤30 mΩ @ 50% SOC
Self Discharge	<3% / Month
Cells	Cylindrical

CHARGE PERFORMANCE

Recommended Charge Current	5 A - 50 A
Maximum Charge Current	100 A
Charging Cut-off Voltage	29.2 V
Charging Operating Temperature Range	0 ~ 60 °C
Preferred Charging Temperature Range	20 °C~30 °C

DISCHARGE PERFORMANCE

Recommended Discharge Current	100A or as per load
Maximum Continuous Discharge Current	100 A
Discharge Cut-off Voltage	20V
Discharge Operating Temperature Range	-20 ~ 60 °C
Preferred Discharge Temperature Range	10 ~ 35 °C



MECHANICAL PERFORMANCE

Dimension (L x W x H)	525 x 270 x 230 mm 20.7 x 10.6 x 9.1"
Approx. Weight	111.33 lbs (50.5kg)
Terminal Type	M8
Terminal Torque	80 ~ 100 in-lbs (9 ~ 11 N-m)
Case Material	ABS
Enclosure Protection	IP65

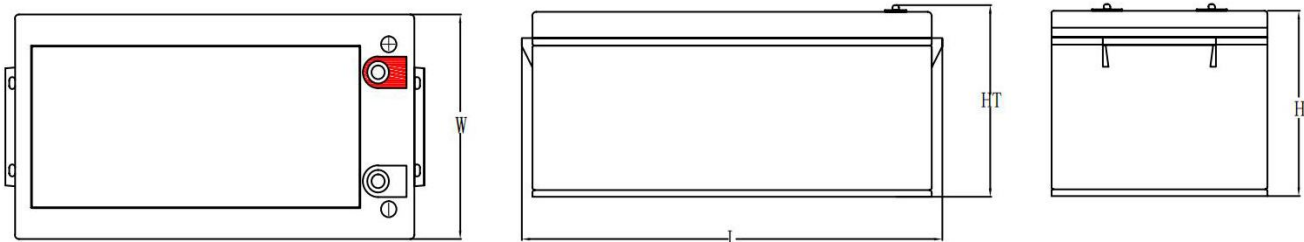
TEMPERATURE PERFORMANCE

Discharge Temperature	-4 ~ 140 °F (-20 ~ 60 °C)
Charge Temperature	32 ~ 140 °F (0 ~ 60 °C)
Storage Temperature	14 ~ 113 °F (-10 ~ 45 °C)
Recommended Storage Temperature	77 ±9 °F(25±5°C)
Discharge Temperature	-4 ~ 140 °F (-20 ~ 60 °C)

COMPLIANCE

Certifications	CE RoHS (battery) UN38.3 (Battery) UL1642 & IEC62133 (Cells)
Shipping Classification	UN 3480, CLASS 9

OUTLINE DIMENSION

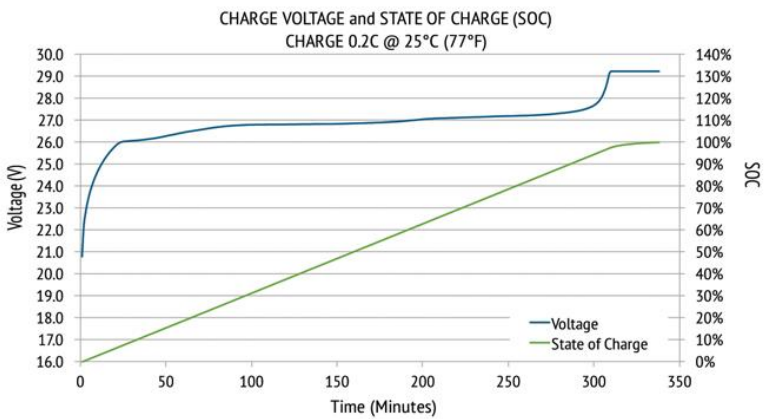
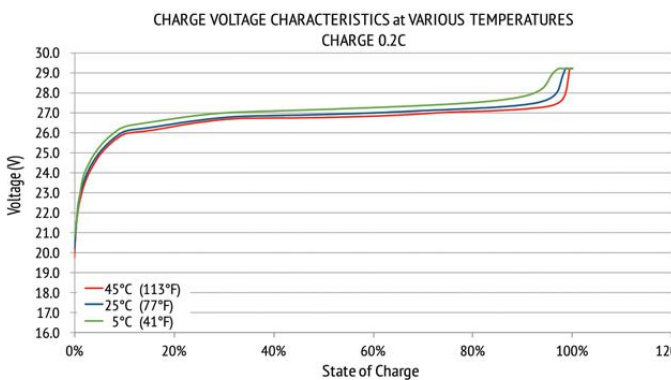
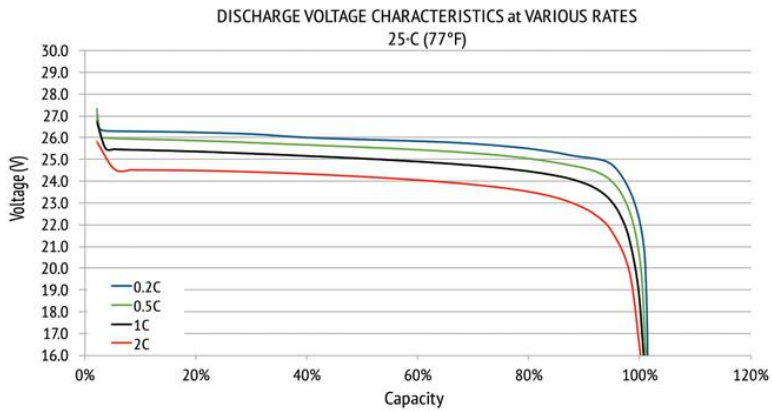
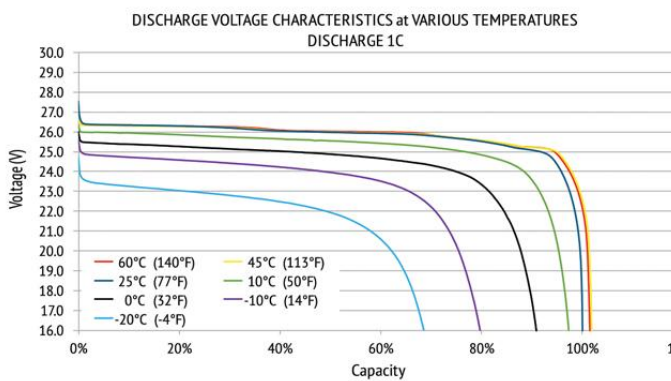


L mm(")	W mm(")	H mm(")	HT mm(")
525 (20.7 )	270 (10.6)	225 (8.9)	230 (9.1)

Performance may vary depending on application. All specifications are subject to change without prior notice to the user. This data is for evaluation purposes only. No guarantee is intended or implied by this data. For clarification and updated information, please contact us.



PERFORMANCE CHARACTERISTICS



FEATURES & BENEFITS

- High cycle life**  
3650 cycles with 80% DOD and 3500 cycles with 90%DOD
- Longer service life**  
Low maintenance batteries with stable chemistry.
- Built in circuit protection**  
Battery Management System (BMS) is incorporated against abuse.
- Better storage**  
up to 6 months thanks to its extremely low self discharge (LSD) rate and no risk of sulphation.
- Quickly recharge**  
Save time and increase productivity with less down time thanks to superior charge/discharge efficiency.
- Extreme heat tolerance**  
Suitable for use in a wider range of applications where ambient temperature is unusually high: up to +60°C.
- Lighter Weight**  
Lithium batteries provide more Wh/Kg while also being up to 1/3 the weight of its SLA equivalent.

APPLICATIONS

Lithium Iron Phosphate can be used in most applications that use Lead Acid, GEL or AGM type batteries. Suitable applications include:

- Caravan
- Marine
- Golf Car
- Electric Power Systems
- Solar Storage
- Remote Monitoring
- Switching applications and more

CAUTIONS

- Do NOT short circuit, reverse polarity, crush or disassemble.
- Do NOT heat or incinerate.
- Do NOT immerse in any liquid.
- Store at 30~50% SOC. Recharging every 3 months is recommended. The storage area should be clean, cool, dry and ventilated.

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