

Specification of

LiFePO4 Prismatic Module: 3.2V 40 Ah (128Wh, 5.0C rate)



AA Portable Power Corp

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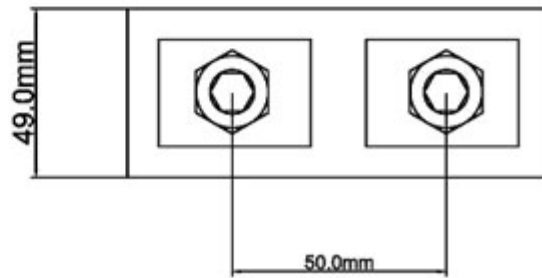
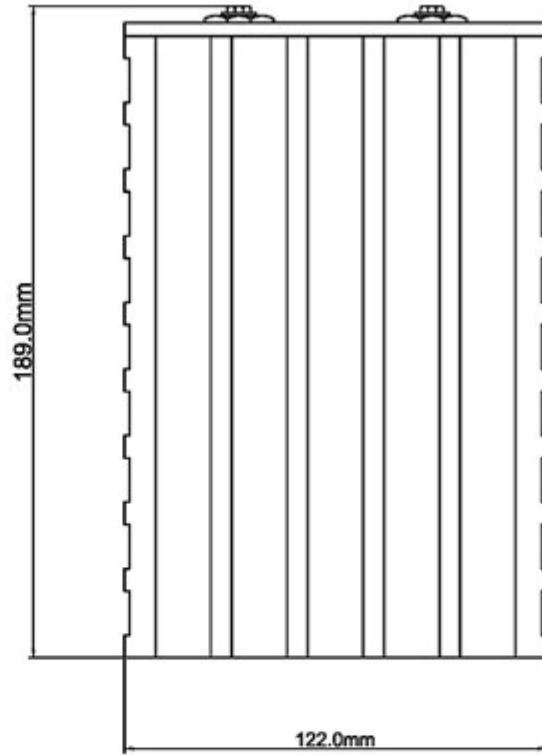
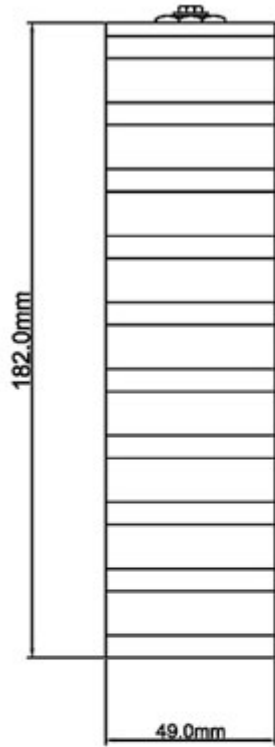
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Prepared & Approved by Louis (01/10/09)

Specification

Chemistry	LiFePO4 in prismatic case (4 pcs of LiFePO4 3.2V 10Ah cell in 4P configuration)
Nominal Voltage	Average 3.2 V (working) 3.65V-3.8V (peak) 2.0-2.5 V (cut-off low)
Capacity	40Ah (128 wh)
Energy Density	67.01Wh/kg
Charging current	15.0A recommended (0.375C rate), 40A Max (1.0C rate)
Discharging current	<ul style="list-style-type: none"> • Constant discharge current: 120A (3.0C rate) • Impulse discharge current (<10sec): 200A (5.0C rate, not recommended)
Terminal	<ul style="list-style-type: none"> • M5.7mm Matrix screw terminal <ul style="list-style-type: none"> ○ Included 1 pc M5.7mm Matrix screw & 1 pc 5.7mm O-ring ○ Included 1 pc Copper Bar link <ul style="list-style-type: none"> ▪ Utilize for make a series / parallel connection between 2 cells 
Dimensions (HxWxL)	<ul style="list-style-type: none"> • 123mm(4.8") x 50mm(2.0") x 183mm(7.2") <ul style="list-style-type: none"> ○ H with screw: 194mm(7.6") , W with Copper Bar: 85mm(3.4")
Weight	1910 grams (4.0 lbs 3.2Oz)
Internal Impedence	< 5 milli-ohms
Operation Temperature	<ul style="list-style-type: none"> • Charging: 0°C (32F) - 45°C(F) • Discharging: -20°C (-4F) - 60°C(140F) • Self-discharging <3% monthly
Storage Temperature	<ul style="list-style-type: none"> • 1 month: -20°C (-4F) - 60°C (140F) • 3 months: -20°C (-4F) - 45°C (113F) • 12 months: -20°C (-4F) - 25°C (77F)
Atmospheric pressure	<ul style="list-style-type: none"> • 86-106 KPa
Relative Temperature	<ul style="list-style-type: none"> • 45-75%RH
Cycle Performance	<ul style="list-style-type: none"> • 2000 (70% of initial capacity at 0.5C charge & discharge rate)

Drawing



Discharge Curve at various temperature

