

Specification of

LiFePO4 42120 (M size) Cell : 3.2V 13 Ah (41.6Wh, 26A rate)



AA Portable Power Corp

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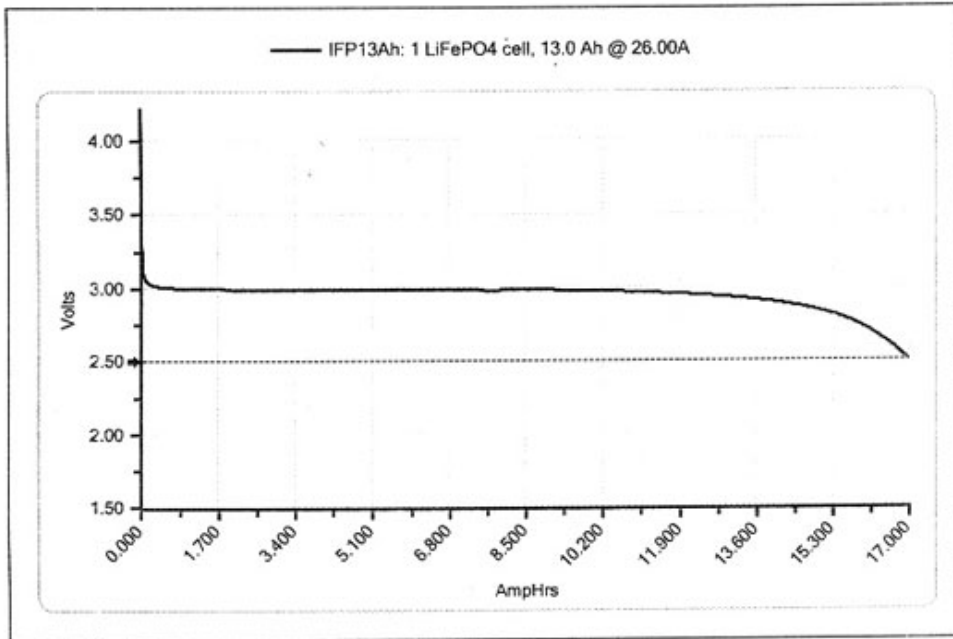
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Prepared & Approved by Louis (01/10/09)

Specification:

Nominal Voltage	Average 3.2 - 3.3 V
Capacity	<ul style="list-style-type: none"> Nominal: 13000mAh (3.8V cut-off, 1C) Minimum: 10000 mAh Energy density: 104 wh/kg
Standard Charging current	6.5A Max. (0.5C rate)
Max. Discharging current	<ul style="list-style-type: none"> 26A (2.0C rate)
Terminal	<ul style="list-style-type: none"> 4.75 mm screw terminal for positive end and negative end <ul style="list-style-type: none"> Included 1 pc 4.75mm screw & 1 pc 4.75mm O-ring for each end 
Dimensions (DxH)	<ul style="list-style-type: none"> 42mm(1.65") x 118mm(4.6") <ul style="list-style-type: none"> Height 118mm(4.6") is from end to end without 4.75mm male screw 42mm(1.65") x 137mm(5.4") <ul style="list-style-type: none"> Height 137mm(5.4") is included with 2 pcs 4.75mm male screw for positive end and negative end
Weight	14.00z (400 grams)
Internal Impedance	15 milli -ohms
Operation Temperature	<ul style="list-style-type: none"> Charging: 0 - 45 °C (32 - 113 °F) Discharging: - 10 - 50 °C (14 - 122 °F)
Storage Temperature	<ul style="list-style-type: none"> Less than 1 year: -10 -25 °C (14 - 77° F) Less than 3 months: -10 -35 °C (14 - 95° F)
Cycle Performance	<ul style="list-style-type: none"> >2000 (80% of initial capacity at 1C rate)

Capacity Test Curve



IFP13Ah:

Description: 1 LiFePO4 cell, 13.0 Ah @ 26.00A
Started At: 2009-10-12 11:06
Discharge Rate: 26.00 A
Starting Voltage: 3.72 V
Ending Voltage: 2.50
Total Time (hh:mm:ss): 0:39:10
Tested Capacity: 16.967 Ah