

RV128100V2-Pro DATA SHEET



Voltage: 12.8V | Capacity: 100Ah | Energy: 1280Wh

LITHIUM IRON PHOSPHATE BATTERY **LiFePO4**

Electrical Parameters

Nominal Voltage	12.8V
Nominal Capacity	100Ah
Discharge Time@50A	120min
Internal Resistance	≤20mΩ @ 50%SOC
Efficiency	99%
Self Discharge	<3% per Month
Maximum Modules in Series/Parallel	4/8

Discharge Parameters

Max Continuous Discharge Current	80A
BMS Discharge Protection Current	200A (5s)
Recommended Low Voltage Protection	12V
BMS Low Voltage Protection Value	11.2V (3s)
Low Voltage Protection Release Value	12.4V
Short-Circuit Protection	200-600(μs)

Temperature Parameters

Discharge Temperature Range	-4~131(°F)
Charge Temperature Range	-4~122(°F)
Recommended Storage temperature	-4~113(°F)
Discharge High Temperature Protection	149°F
Charge High Temperature Protection	140°F
High Temperature Protection Release	118°F

Mechanical Parameters

Size (L*W*H)	13x7.28x8.88(inch) 330x185x225.5(mm)
Weight	30.86lbs (14kg)
Terminal	M8x1.25x12mm
Terminal Torque	62in-lbs (7N-m)
Casing Material	PC+ABS
IP Code	IP20
Chemistry	LiFePO4

Application



RV Camping



Solar light



Household ESS



Golf cart



Marine vessel battery



Electric tools

Charge Parameters

Recommended Charge Current	10A-50A
Max Continuous Charge Current	50A
Recommended Charge Voltage	14.2V-14.6V
BMS High Voltage Protection Value	14.6V (3s)
High Voltage Protection Release Value	13.8V
Balance Opening Voltage	14V

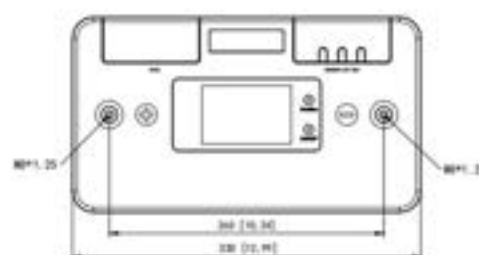
Heating Parameters

Heating Temperature Range	-4~50(°F)
Heating Time	1hr @ 5A
Stop Heating Temperature	167°F (75°C)

Specs

Certification	UN38.3&CE(battery) UL1642(cells) IEC62619(battery)
Transport	UN3480, CLASS 9

Appearance Dimension



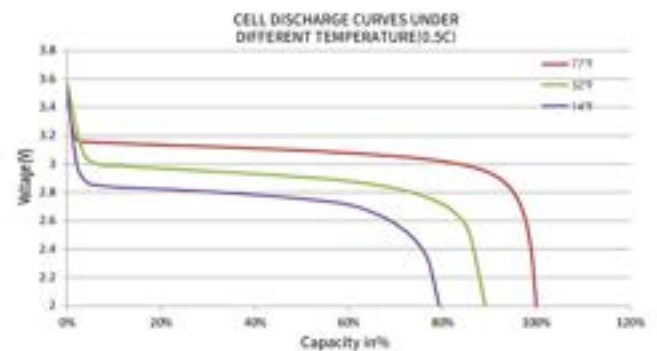
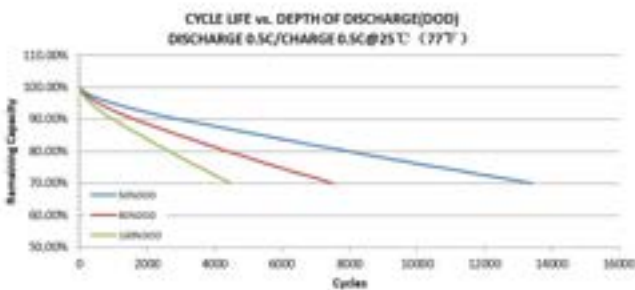
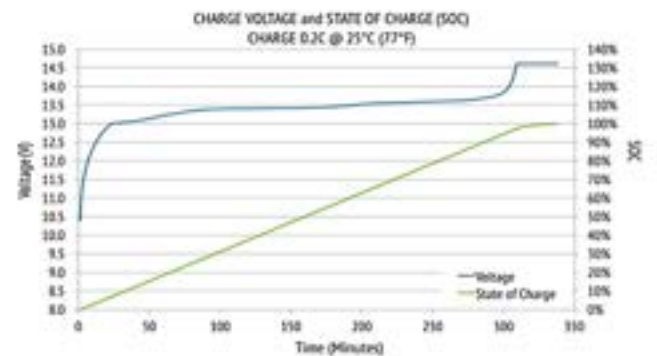
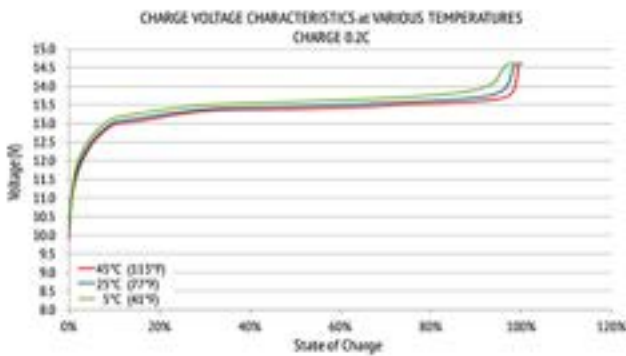
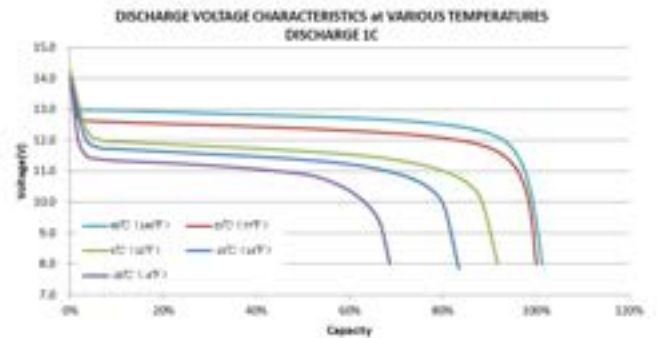
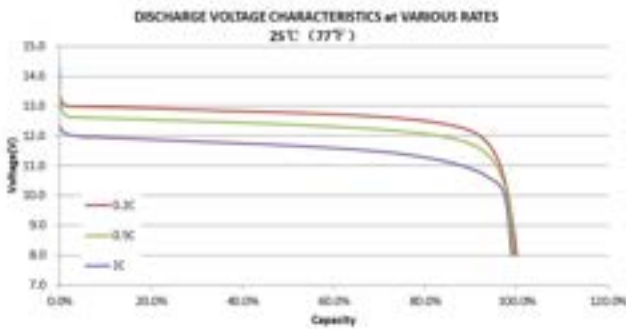


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PERFORMANCE CHARACTERISTICS



Welson Power Technology (Wuxi) Co., Ltd reserves the right of final interpretation of this product

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