

# Rescue® LiFePO4 200 & 400

## Product Specifications

# LIFEPO4 400

# LIFEPO4 200



Part	Voltage	Cable Length	Cable Gauge	Battery	Crank/ Peak	Charger	Accessories/ Features	Applications
LIFEPO4 400 604022	5V, 12V & 19V	12" 30.5 CM	8 GA. 8 GA.	58 WATT Hour 18,000 Millamp Hour	400/600 AMPS	2 AMPS Micro USB cord w/ 12V power socket adaptor and 2A @ 5V AC/DC adaptor	Microprocessor controlled saftey 2.4A @ 5VDC USB port 6A @ 12VDC port 3.5A @ 19VDC port battery/alternator testor red flash/white work light 12V power outlet cord pin adaptors hard plastic case	    
LIFEPO4 200 604300	5V & 12V			34 WATT Hour 10,400 Millamp Hour	200/400 AMPS	Microprocessor controlled saftey dual USB ports 2.4A @ 5VDC battery/ alternator testor white flash/white work light hard plastic case	   	

The Rescue® LiFePO4 portable power pack uses a Lithium Iron Phosphate battery, which has a flat voltage discharge curve and is one of the safest Li-Ion batteries on the market. LiFePO4 batteries tend to be slightly lower in voltage but are more tolerant in maintaining heavy current loads, over long periods of time.

Key safety features were built into the LiFePO4 unit, not just into the booster clamps. A microprocessor board controls multiple protection features including overload, reverse polarity, short circuit, overheat, backfeed/backward current, over-charge/discharge, low voltage and low temperature protections.

To ensure all of the LiFePO4 safety features were easy to identify and understand a 1" X 2" LCD screen was added for clear code recognition. If an error occurs the microprocessor will display the corresponding protection code. This way the user knows exactly what the issue is and how to correct.

QuickCable has identified the need for a better connector, clamps and larger gauge cables to allow for the high current flow that the LiFePO4 can provide. The clamps and 8GA tin-plated cables are manufactured of heavy copper-clad steel allowing for heavier current flow through both jaws, rated up to 200°C.

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## Key Features & Benefits

- Lithium Iron Phosphate Battery
- Overload/Overheat Protection
- Reverse Polarity Protection
- Alternator Surge Protection
- Over-Charge/Over-Discharge Protection
- Out performs small Sealed Lead Acid (SLA) units

# Rescue<sup>®</sup> Model 200 & 400 LiFePO4

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### Unit Protection Codes

<b>RECHARGE UNIT</b>	Identifies that the unit's internal battery is low and needs to be recharged. Protection code will appear and then automatically turn off the unit until recharged.	<b>F01</b>
<b>BATT TEMP LOW</b>	Identifies that the unit's internal battery temperature is below it's capable operating range. Protection code appears if battery is stored in cold vehicle and will maintain until unit has warmed. Move unit indoors and above 32°F to warm.	<b>F02</b>
<b>BATT TEMP HIGH</b>	Identifies that the unit's internal battery temperature has exceeded it's capable operating range. Protection code appears after overload or too many engine start attempts, flashes and automatically enters unit into cooling mode.	<b>F03</b>
<b>CURRENT OVERLOAD</b>	Identifies that an attempt was made to discharge an unsafe current output. Protection code appears after engine start attempt, flashes and automatically enters unit into cooling mode.	<b>F04</b>
<b>CLAMPS REVERSED</b>	Identifies that the unit's clamps are connected in reverse polarity on the battery. Protection code appears as soon as clamps are connected and will lockout unit until corrected.	<b>F05</b>
<b>NO BATTERY FOUND</b>	Identifies that there is no voltage detected or short circuit present. Protection code appears after Engine Start" button is pressed and will lockout unit until issue is corrected.	<b>F06</b>

### Functions

	Turns unit on. Hold button for 2 seconds and unit powers on and presents the battery level. Turns on USB, 12V and 19V ports.
	Use if there is not a battery installed within the vehicle. <b>WARNING-</b> The Short-Circuit and Reverse polarity protections are disabled when the "Override" function is activated.
	The test function allows you to test the battery or system voltage and also the alternator charging voltage. This function can be used with either the booster clamps connected to the vehicle or the Micro to USB cord connected into a 12V power supply within the driver compartment.
	Turns on LED light. Press the button once and the Red flashing flare mode illuminates, press the button a second time and it switches to the white flashlight mode, press the button a third time to turn off.
	Begins start sequence to enable power to the booster cables.