



***Renegade XL48
Battery Pack
Instructional Manual***

Introduction:

Thank you for your choice in purchasing a Core SWX battery pack. The battery is designed to improve and assist you in your mobile powering requirements. This product is at the pinnacle of technological advancements, offering the features and performance of several different products, making it the most advanced battery product in the industry.

Please read this manual to help you understand and capitalize on the features of this battery.

Features:

- Dynamic voltage output via 2x PowerConn @ 48v (regulated), 2x 12v ptap outputs, 5v USB output.
- OLED Dynamic Battery Display
- Handlebar LED Indicator
- On-Board Microprocessor stores: Name, Serial Number, Voltage, Temperature, Current, Chemistry Type, Charge Cycles, and Date of Manufacturing.
- No memory effect.
- Temperature, current, and voltage protection.
- Powder-coated cast aluminum casing provides a shock absorbing, water resistant shell to protect the battery pack.

Operation:

Usage

1. Press the power button down to the ON position(depressed):
 - All outputs are available.
 - Button LED indicator lights up in blue.
 - LCD display will illuminate
2. Press the power button to OFF position:
 - Power outputs become unavailable.
 - Button LED indicator stays off.

Charge Operation

1. Charge via internal AC charger
 - Make sure the discharge system is off. Top panel power button should not be illuminated blue and the top panel LCD should be off.
 - Connect an AC mains power source to the AC input on the side of the MV6 system. Turn on the power switch next to the AC mains input. At that time, the switch will illuminate GREEN and the top panel LCD will begin to display remaining charge time.
 - The LED Handle light will illuminate Solid Green when the system is fully charged.
2. Charge via SFQ40 Rapid charger
 - The RNGXL48 has 2 "Fast Charge" ports on the side of the unit. Make sure the discharge system is off. Top panel power button should not be illuminated blue and top panel LCD should be off. Also make sure the AC Mains input switch is OFF
 - Connect one or both SFQ40 charger cables to the Fast Charger ports and rotate to lock. Upon connection, the system should begin to charge and the top panel LCD will begin to display remaining charge time.
 - The LED Handle light will illuminate Solid Green when the system is fully charged.
3. From a fully discharged state, the internal charger can recharge the RNGXL48 in less than 5 hours. With the available(but not included) SFQ40, the RNGXL48 can recharge in less than 2 hours.

OLED Dynamic Battery Display

RNGXL's OLED display is a 3 phase battery status display. This allows you to monitor the battery's performance across three key phases: standby, connected, and charging. In the standby phase, the display shows the available charge level based on a current load of 100 watts. When the battery is connected to a device, the display updates in real-time to recalculate the runtime based on the present load current. Finally, when the battery is plugged into the charger, the display provides an estimate of the time until the battery is fully charged.

Handle LED Indication

Discharge	Charge
From 100% to 16% : No LED From 15% to 5% : Blinking Red LED 5% to 0% : Solid Red LED	Charging : RED LED Fully charged : GREEN LED

Over time the OLED display and power gauge's accuracy is dependent upon a full charge and discharge. At least once every 2 months the battery should be fully cycled(discharged and recharged) so the battery can relearn the capacity of the battery.

High Voltage Output:

RNGXL48 is a 1376wh, Lithium Ion (Li-Ion) power station. The RNGXL48 can always output 14v, but the user must choose either 28v or 48v mode via a dip switch on the unit prior to turning on. Once turned on, 14v will be available plus either 28v or 48v based on what is chosen.

The external charge ports also serve as "daisy-chain" ports to allow you to connect several RNG XL's in parallel to increase available battery capacity.

Daisy Chain via Fast Charger Ports

You can connect two or more RNGXL48's together via the "Linking Cable"(part#RNG-XLINK). Once the first RNGXL48 system is ON, simply connect the next RNG XL48 via the Link Cable to one of the two Fast Charge ports(either port works), and then turn the second RNG XL48 ON. Continue the process to connect further units together.

Powder-Coated Cast Aluminum Casing

The RNGXL48's powder-coated aluminum casing provides shock-absorbing and water resistant protection to its internal components. Its consistent form factor allows for the RNGXL48 to be compatible with legacy shipping cases, allowing for maximum versatility.

This compact casing safeguards protects its internals from the world of cinema production. For gentle cleaning, use a soft, lint-free microfiber cloth to gently wipe the surface of the powder-coated aluminum casing. Avoid abrasive materials or harsh chemicals, as they may cause scratches or damage to the protective layer. In general, the casing protects against impacts and vibrations as well as being weather resistant to accommodate for versatile shooting conditions.

Battery Storage

In the event the battery pack won't be used for an extended period of time, store the battery pack at 40% charged in an environment between 10°C and 35°C. Every two months the battery pack should be fully cycled to reduce the change of self discharge and capacity loss.

Notes on Use

- An increase in temperature is normal during charging and discharging.
- Make sure to keep battery contacts clean.
- Do not attempt to disassemble the battery. Please contact Core SWX for any service issues.
- Keep batteries separated when transporting.
- Keep battery pack dry and avoid use in humid environments.

Renegade XL48 Air Transport Compliance

The battery pack models listed above contain more than 8 grams of equivalent lithium content and are above 160wh. Those wanting to transport this pack via air should contact Core SWX for the latest guidance prior to doing so, as regulations and restrictions regarding lithium battery transportation can vary and are subject to change. Please note that this pack is not permitted on an airplane within carry-on nor checked baggage due to safety regulations. It is important to ensure compliance with all relevant regulations to avoid any complications or delays in transportation.

Specification Data:

Cell Chemistry: Li-Ion

Capacity: 1376Wh(14.8v, 93Ah)

Size: 9.56" x 13.7" x 5.3"

Weight: 32.8 lbs.

Voltage Outputs: 2x PowerConn @ 48v (regulated)

Max Load: 15A each, 30A total

Built-in Protections: Temperature(internal), Voltage(internal), Current(resettable external and internal)

Warranty:

This product is warranted to the Original Purchaser against all defects in material and or workmanship for the period herein.

The warranty period shall be 2 years for parts and labor, unless otherwise noted. Core SWX agrees to pay equal return freight costs to return the product the same method it was received. In the event of an issue, the purchaser agrees to the below RMA procedure.

Procedure:

1. Go to <http://www.coreswx.com> and to the the support section to fill out the online RMA form.
2. Print the RMA number confirmation, and ship the product needing service to Core SWX, LLC. along with RMA number confirmation, and copy of bill of sale.
3. All shipments must be done either through UPS or FEDEX, and insured if necessary
4. Core SWX, LLC. is not responsible for any lost shipments.

Core SWX reserves the right to repair or replace any defective product under warranty after Core SWX determines which is more practical.

If Core SWX receives defective product for warranty repair and they are found to be defective as a result of misuse or other damage, not caused by normal wear and tear, Core SWX will notify the customer of an estimate of repair. Customer will incur costs. There are no further warranties, either expressed or implied, including warranties of merchantability or fitness for a particular purpose that has any bearing upon this transaction.



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