



NANO[®] X98
Battery Pack
Instructional Manual

THIS BATTERY SHIPS IN STORAGE MODE.

Press the LED button to awaken the battery pack. You may also charge the battery pack full to awaken. Keep in mind some 3rd party chargers will not charge the pack when in storage mode. If the battery is in storage mode(LCD blank), the battery pack is functional, but no smart data transmission will occur.

Thank you for your choice in purchasing a Core SWX battery. 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:

- On-Board Microprocessor stores: Name, Serial Number, Voltage, Temperature, Current, Chemistry Type, Charge Cycles, and Date of Manufacturing.
- Four Stage, accurate, LED power gauge.
- EmLed™ Battery Display visible on the battery pack
- No memory effect.
- Temperature, current, and voltage protection.
- Nexcore™ Casing
- Up to 100w USB-C PD connection for fast charging.
- Incorporated 2-pin powertap provides unregulated power (10A) and USB-A aux outputs.
- Voltbridge™ ID RFID chip

*contact Core SWX for confirmation of battery charger compatibility if using other chargers.

Operation:

Charging the Battery:

- CoreSWX HC batteries were designed to be used with CoreSWX chargers. Any other charger may damage the battery and/or the charger. Please contact us before using other chargers.
- CoreSWX batteries can be recharged in any charge condition.
- Charge the battery in ambient temperature range of 0°C and 45°C. For best results charge in an environment between 10°C and 35°C. Charging in conditions outside the aforementioned ranges may inhibit the pack from reaching maximum charge capacity.

Discharging the battery:

- Maximum continuous discharge for the is 10A(120W) with a 10 second peak discharge rate of 12A(144W)

EmLED™ Display:

To activate the EmLED Display on the NANO98X pack, simply press the button located on the top of the pack or allow it to turn on automatically upon charging or discharging. Once activated, toggle between percentage and runtime by pressing the button once. The display will update every 3-5 seconds, providing real-time insights based on the charge rate or discharge load, empowering you with precise power management during your creative endeavors.

Wraparound LED Power Gauge:

The pack's LED power gauge will automatically display once the pack is being used. When not in use, press the button on top of the pack to check charge capacity status.

Battery Charge Level:

- 1 Segment: 0-24%**
- 2 Segment: 25-49%**
- 3 Segment: 50-74%**
- 4 Segment: 75%-100%**

Overtime the RunTime LCD 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 charged) so the battery can relearn the capacity of the battery.

Camera Communication:

Once connected to a camera which supports SMBUS or single-line data communication, the battery will convey, in real time, power data to the camera.

Nexcore™ Casing:

NanoX batteries are housed in a robust polycarbonate Nexcore casing. 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 polycarbonate 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.

USB-C PD/USB-A/Ptap Connection:

- The integrated USB-C connection can be used as both an output and input. The USB-C PD Connection can provide DC 5v/9v/15v/20v up to 100w I/O power. Maximize your camera battery's lifespan and minimize downtime with quick and efficient charging solutions tailored to your device.
- The battery's integrated Ptap power solution also works to deliver DC 11-16.8v of power output as well as charging input capabilities. The ptap is fused based on the battery packs' overall output capabilities.
- For additional dynamic charging options, the battery offers USB-A aux connection as well that provides DC 5v, 3A in power for mobile device charging.

VoltBridge RFID Function:

NanoX batteries have an integrated RFID tag which communicates with compatible NFC reading devices like your mobile phone. To read your battery packs' vitals simply use an NFC app and touch your phone to the 'ID' icon on the front of the pack. Additional functionality with the VoltBridge ID app(releasing Summer 2024) will allow you to store and analyze battery data.

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

NanoX98V/AG Air Travel Compliance

The battery pack models listed above are suitable for air transport as a non-hazardous article under the regulations of the IATA, the ICAO, and the UN. According to IATA regulations, Lithium-ion batteries may not be checked into the hold of a passenger aircraft, however, the NANO150 battery pack may be taken on-board in your carry-on baggage subject to the prior approval of your airline. Check with your airline's rules for specific limitations. Spare batteries should be individually protected to prevent the possibility of short circuits.

* Section A45-2: Lithium cells and lithium batteries are not subject to these instructions if they meet the following requirements: For a lithium ion battery the aggregate equivalent content is not more than 8g

Specification Data:

NANO-V98X: V-mount Connection
NANO-G98X: G-mount Connection

Capacity: 98Wh(14.8v, 6.6Ah)

Size: 2.82" x 3.9" x 2.2"

Weight: 1.3lbs.

Normal Runtime: (25w) 3.6hrs.

Load: 12A peak/10A continuous

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, purchaser agrees to the below RMA procedure.

Procedure:

1. Go to <http://www.coreswx.com/repairsreturns> and fill out the online 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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Patents Pending