CUE-D95 Li-ion V-Mount Battery

Instruction Manual

Thank you for purchasing the CUE-D95 Li-ion V-Mount Battery. Prior to using the CUE-D95, we strongly recommend reading this Instruction Manual on how to best use the CUE-D95. Please keep this manual for your reference. If you have any additional questions, please contact your local IDX office listed at the end of this manual.

Caution for safety use

Improper handling of this Li-ion battery may result in smoke, heat, fire, explosion or leakage as well as cause performance degradation or failure. Please be sure to observe the following precautions.

DANGER

May cause sudden serious injury and death.
- Charged with IDX battery charger only.
- Use with professional video camera or other video equipment. Please contact IDX for more information.
- Do not short the contact pins with any metal object. Do not carry or store with metal equipment.
- Do not expose to heat and never throw the battery in a fire. Do not immerse/water-damage the battery away from exposure-dryly or humid environments.
- Do not have the battery exposed to excessive use such as car or direct under the sun light. Do not use outside of specified temperature ranges, do not store in a high temperature environment.
- Do not put in a high temperature environment.
- Do not open the casing or break apart the battery.
- Do not subject the unit to extreme physical impact or pressure, or place any object across the bumpers that could cause it to burst.
- Do not paint or drench the outer case of the unit.
- Do not attempt to use the battery with damage.
- Do not store the battery in excessively humid, Damaged exposed to salt water, seaweed, acid, oil, corrosive gas, etc.
- Flash of voltage battery cells can be noticed in an incineration type.

WARNING

May cause serious injury and death.
- Please note that the output causing damage is not always visible when the battery is damaged.
- Stop charging immediately if the battery feels to be charged within the designated time. Return to charger manufacturer for charge times.
- Do not use the battery displays unusual characteristics (odd odor, dissolution, etc) when it is in charge or during charge.
- Keep away from fire, the battery leaks fluid or has an unusual smell.
- In case of leakage, immediately wash your hands and then thoroughly with clean water and contact your IDX representative for further instructions.
- Immediately seek medical assistance if the battery hits your eyes with your eyes.
- Do not disassemble or put under the unit, and may result in fire or explosion.
- Do not apply too much pressure or impact to the battery starter, but do not carry or store with metal equipment.
- Do not spray or pour water into the battery starter.
- Do not store or place in a wet or moist environment, over or under a black environment.
- Do not use the battery in an electronic device, Damaged exposed to salt water, seaweed, acid, oil, corrosive gas, etc.
- Always keep the connectors clean.

CAUTION

May cause injury or damage other equipment.
- Follow instructions on charging and discharging.
- Store in cool and dry conditions.
- Long periods of inactivity, please remove the battery from the equipment.
- Do not use, store or place the battery in an electrostatic area.
- Always keep the connectors clean.

Protection circuit

There are three types of protection circuits to ensure the battery is protected from Over-charge, Over-discharge, and Over-temperature. If the protection loss is blown, the battery is no longer operated.

D-Tap

- D-Tap power output terminal available.
- The maximum power output is 55W.
- The output voltage is a 14.8V or 14.4V (12-14.4V).
- Do not draw power from D-Tap while charging it as it may interrupt charging, cause a charger error, or damage the charger.
- D-Tap can be used to power IDX portable lights, accessories, and accessories.

Storing

- Store in cool and dry conditions.
- Do not store or place in temperatures of 12°C (50°F) or above.
- For long-term storage, please store at 30% - 50% and recharge every 1 month to maintain the charge level.
- Deterioration of battery performance will accelerate if the battery is stored in high ambient temperature and/or stored for long periods without use.

Specifications

- Cell chemistry: Lithium ion
- Nominal voltage: 26V DC 14V
- Capacity: 53Ah / 46Wh
- Charge voltage: 14.8V
- Charge current: Max 3A
- Maximum charge rate: 0.8A / 0.4A / 0.2A (14.8V/14.4V/14.2V)
- Battery protection circuit: Over-charge, Over-discharge, Over-current, Over-temperature
- Ambient temperature: Charge: 0°C – 40°C (32°F – 104°F) ; Discharge: -10°C – 50°C (-14°F – 122°F)
- Dimensions / Weight: 370 (W) x 146 (H) x 53 (D) mm (approx. 14.5" x 5.8" x 2.1") / 2.99 lb (approx. 1346.2g)
- D-Tap output voltage: Battery voltage through voltage
- Maximum output: 50W
- 1st. Measured capacity of battery is a minimum rating at 35°C, 2nd. Measured load is the sum of D-Tap and Camera loads (Total load must be less than 76W).

Battery use

- Life cycle may depend on the use of fast discharge, storage and operating temperature conditions.
- Life will be reduced if frequently used with high load applications.
- Life will be reduced stored in fully charged or empty conditions for extended periods.

Battery recycle

This Li-ion battery can be recycled. Please follow the regulations in your country or contact your local IDX office for further details.

International Li-ion Battery Air Transport Compliance (as of Jan 1st, 2014)

- International Civil Aviation Organization (ICAO) and International Air Transport Association (IATA) classify this battery as a Class 9 dangerous goods.
- The battery is classified as a Class 9 (Dangerous Goods) battery by the International Civil Aviation Organization (ICAO) and International Air Transport Association (IATA).
- This battery is required to follow certain procedures at times of shipment and transportation. Below are guidelines for proper preparation and transportation of the CUE-D95.

CUE-D95 IATA & ICAO

- The CUE-D95 has met the requirements for United Nations Recommendations on the Transport of Dangerous Goods, the EU/L95 capacity is less than 100Wh which is illustrated on a label located on the exterior of the battery housing.

CUE-D95 Classification

- The CUE-D95 battery is classified as a "Class 9 Dangerous Goods" battery by the International Civil Aviation Organization (ICAO) and International Air Transport Association (IATA). This battery is required to follow certain procedures at times of shipment and transportation. Below are guidelines for proper preparation and transportation of the CUE-D95.

For aircraft carry-on baggage

- An unlimited number of carry-on batteries are permitted IDX recommends keeping the battery terminals not exposed to air, and the use of a special pouch to protect the battery from being damaged. IDX recommends keeping the airline company prior to flying, some airlines require additional rules and regulations for transporting lithium ion batteries.

For aircraft check-in baggage

- If the battery is attached to a piece of equipment, such as a camera, monitor, recorder etc., it can be checked in baggage. If the battery is not attached to a piece of equipment, it must be carried as personal luggage.

For cargo

- Battery only (packing Instruction 96 section 1.3.1) The battery must be properly stored and packed in a way that the battery can be transported by air. This will exempt the package from being classified as hazardous. In the case of the utility exemption, the used battery is exempted from the transportation, the maximum size of the battery is 1,1.2 meter, 40 x 40 x 50 cm (6 x 6 x 20 inches). In addition, the battery must be exempted from the shipping package. To meet the utility exemption, a declaration of exemption for Dangerous goods material must be submitted to the cargo company.

- Battery packed with equipment (packing Instruction 96 section 1.3.1) When the battery is packed with equipment and the net weight of a battery (weight of battery itself plus weight of the equipment) is less than or equal to 50 kg (110 lbs), the package may be transported as an exemption of the dangerous goods article, To qualify for this exemption, the package used must be authorized by a 1.2 meter, 40 x 40 x 50 cm (6 x 6 x 20 inches). In addition, the lithium ion battery used on the shipping package. In this case, a declaration of exemption for dangerous goods material must be submitted to the cargo company.

- Battery contained in equipment (Packing Instruction 96 section 1.3.1) If the battery is contained in the equipment and the net weight of the battery (weight of battery only is 11 kg (24 lbs) or less, this package may be transported as an exemption of the dangerous goods article. A declaration is not required if the battery is less than 11 kg. If the battery is more than 11 kg, this package must be declared for Dangerous goods article and declaration is not required if there are two or less batteries installed in the equipment. A declaration is not required if the battery is less than 11 kg. If the battery is more than 11 kg, this package must be declared for Dangerous goods article and declaration is not required if there are two or less batteries installed in the equipment. A declaration is not required if the battery is less than 11 kg. If the battery is more than 11 kg, this package must be declared for Dangerous goods article and declaration is not required if there are two or less batteries installed in the equipment. A declaration is not required if the battery is less than 11 kg.

- For technician shipping large package has passed the test yet however, the individual battery package has not been tested.

Life cycle and battery use

- The above regulations are not met, all packages are subject to the classification of Dangerous goods products (except for Dangerous goods regulations are subject to change, please comply with the most updated regulations.)