



## VL-4Si

4-Channel Fully Simultaneous, V-Mount Quick Charger with Intelligent Display



The best way to extend the operational life of ENDURA batteries is to use an ENDURA charger, which treats every individual battery with the fastest and safest electronic charge available. Every single channel on the VL-4Si provides a truly simultaneous charge to each battery. Built-in Intelligent Display monitors charge cycles, displaying real-time charge status via an LCD display at the front of the unit.

The VL-4Si is an enhanced version of the VL-4S with more advanced features in the LCD display and direct PC interface via USB cabling. Its sturdy construction and slim profile work in a variety of studio environments, location shooting or OB vehicle, where charging activity is performed frequently and within limited space.



### VL-4Si Product Features:

- **Simultaneous 4-channel charging** on all 4 channels. Each channel is operated independently so batteries can be placed on charge in any order and at any time.
- **LCD display** and control panel is located at the front of the unit to monitor the charge status of each individual battery.
- **BMS** is a unique software package that enable users to monitor the history and condition of their batteries to increase their lifespan. The VL-4Si monitors information such as the number of battery charge cycles, which can be downloaded to a PC database via USB cable (software and cable included).
- **Lightweight, polycarbonate enclosure** weighs just 7 lbs, with a recessed power switch and integrated carry handle.
- **VL-4Si compatible batteries:** All ENDURA V-Mount Li-ion batteries, and all NP Li-ion/Ni-CD batteries from IDX can be charged with an A-E2NP adaptor, available separately.
- **Internal safety features** protect both the battery and charger from serious damage should faulty or misused batteries be placed on charge. The VL-4Si will automatically stop charging should any battery reach an over voltage condition.

Charging Times	1~3 Batteries	4 Batteries
ENDURA ELITE	240mins	290mins
E-10 and E-10S	180mins	220mins
E-7 and E-7S	155mins	180mins
NP-L7 and NP-L7S	155mins	180mins

The charge times listed above are maximum times based on the assumption that an empty, fully discharged battery is placed on charge. The actual time may vary with battery age and frequency of use.

### Technical Specification

#### Input Voltage:

AC 100~240V 50/60Hz

#### Power Consumption:

310VA max.

#### Quick Charge Current:

2.3A (Li-ion) when all 4 Ch's are charging  
3.0A (Li-ion) when up to 3 Ch's are charging  
1.9A (Ni-CD / Ni-MH)

#### Quick Charge System:

Li-ion - Constant Current / Constant Voltage  
Ni-CD - Constant Current

#### Pre Charge Current:

360mA approx.

#### Charge Protection Timer:

Li-ion - Pre Charge 120 min  
- Quick Charge 520 min  
Ni-CD - Pre Charge 90 min  
- Quick Charge 240 min

#### Operating Temperature:

14°F ~ 104°F

#### Dimensions:

6.14(W) x 6.02(H) x 11.34(D) inches

#### Weight:

7.05 lbs. approx.

#### Standard Accessories:

BMS Software Disk (1)  
USB PC Cable (1)

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