



## VAL-4Si

8-Channel (4+4) Fully Simultaneous, V-Mount Quick Charger with Intelligent Display and Discharge

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 VAL-4Si provides a truly simultaneous charge to each battery, including the additional 4-channel charging base. Built-in Intelligent Display monitors the charge cycle, displaying real-time charge status via an LCD display at the front of the unit.

The VAL-4Si performs its primary task of battery charging with distinction, but it also takes into account the hectic nature of a studio environment, location shoot or OB vehicle, where charging is carried out frequently and within limited space.

### VAL-4Si Product Features:

- **Simultaneous 8-channel charging**, with 4 standard V-Mount channels plus an additional 4-channel charging base.
- **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 VAL-4Si includes i-Trax—detailed diagnostic monitoring information such as battery discharge analysis and charging time, which can be downloaded to a PC data base via USB cable (software and cable included).
- **Lightweight and slim**, its polycarbonate enclosure features a recessed power switch and integrated carry handle.
- **VAL-4Si compatible batteries**: All ENDURA V-Mount Li-ion batteries, all IDX NP type batteries (via an A-E2NP adaptor) and all IDX BP type, Ni-CD and Ni-MH batteries.
- **Internal safety features** protect both the battery and charger from serious damage should faulty or misused batteries be placed on charge. The VAL-4Si will automatically stop charging should any battery reach an over-voltage condition.

| Charging Times     | 1-3 Batteries | 4 Batteries |
|--------------------|---------------|-------------|
| DUO-C190           | 305mins       | 360mins     |
| DUO-150 / CUE-D150 | 255mins       | 300mins     |
| ELITE              | 240mins       | 290mins     |
| E-HL10DS / DUO-C95 | 180mins       | 230mins     |
| DUO-95 / CUE-D95   | 175mins       | 210mins     |
| E-HL9              | 155mins       | 190mins     |
| CUE-D75 / 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.

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IDX reserves the right to change the specifications contained herein without notice.



### 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  
Ni-MH - Constant Current

#### Pre Charge Current:

Approx. 360mA

#### Charge Protection Timer:

Li-ion - Pre Charge 120 min  
- Quick Charge 520 min  
Ni-CD - Pre Charge 90 min  
- Quick Charge 240 min  
Ni-MH - Pre Charge 90 min  
- Quick Charge 420 min

#### Operating Temperature:

14°F ~ 104°F

#### Dimensions:

6.30(W) x 7.87(H) x 11.34(D) inches

#### Weight:

9.70 lbs. approx.

#### Standard Accessory:

C-VAL2E charge cable adaptor—charges extra ENDURA batteries (4)  
BMS Software Disk (1)  
USB PC Cable (1)

