

Endura ELITE



Key Features

ENDURA-ELITE is a battery pack composed of 1 ea. casing (BH-2) and 2 ea. Power Cartridges (PC-14). The set of PC-14 Power Cartridges provides a capacity of 142Wh, which allows for longer runtimes. ELITE is able to with stand loads up to 114W, allowing for operation of high power consumption equipment.

The battery can be renewed by replacing the deteriorated cartridges with new cartridges, while retaining the original case.

The battery capacity is indicated in 10 levels to allow for more accurate reading.

ENDURA-ELITE is a high capacity IATA compliant battery. The battery can be safely transported by removing the cartridges from the casing quickly and easily.

The built in micro-processor in the case allows BMS (Battery Management System) compatibility.

The battery can switch from the IDX exclusive BMS (Battery Management System) mode to SM-bus mode (SB-mode) to expand compatibility with other non-IDX equipments.



ENDURA ELITE LED Status Indicators



Current Capacity Display

100%	●	◉	○	○	○	○	○	○	○	○	○
80%	●	●	●	◉	○	○	○	○	○	○	○
60%	●	●	●	●	●	◉	○	○	○	○	○
40%	●	●	●	●	●	●	●	◉	○	○	○
20%	●	●	●	●	●	●	●	●	●	◉	○
MODE	●	●	●	●	●	●	●	●	●	●	○
	90	80	70	60	50	40	30	20	10	0	Factory Setup
	100	89	79	69	59	49	39	29	19	9	
	%	%	%	%	%	%	%	%	%	%	

● Solid Green ◉ Flashing Green

LED Display During Charge Mode

100%	●	○	○	○	○	○
80%	●	●	○	○	○	○
60%	●	●	●	○	○	◉
40%	●	●	●	●	○	○
20%	●	●	●	●	●	○
MODE	○	○	○	○	○	○
	80	60	40	20	0	Factory Setup
	100	79	59	39	19	
	%	%	%	%	%	

Data Communication

	MODE
IDX mode	●
SB mode	●

● Solid Green
 ● Solid Amber

Press and hold the Capacity Display Button over 5 seconds.

Solid Green light on Mode Display LED will be showed first and then turn off.

After 5 seconds, flashing Amber light will be showed.

The Change is set by releasing the Capacity Display Button while it is flashing Amber (2.5 seconds).

Solid Amber light on Mode Display LED will be indicated.



Error Status

100%	○	○	○	●
80%	○	○	●	○
60%	○	●	○	○
40%	●	○	○	○
20%	○	○	○	○
MODE	●	●	●	●
	Error 1	Error 2	Error 3	Error 4

● Solid Green
 ● Solid Red



Error Display

Error 1: If the voltage difference between the two inserted Power Cartridges is abnormally large.

Change the battery pack. By charging the pack, it may recover the voltage difference. If the problem still continues after charging, it is possible that one or both Power Cartridges are damaged, exchange them with new ones.

Error 2: If only one power cartridge is inserted. Two power cartridges serial numbers are different, cannot recognize the power cartridges.

Confirm the same serial numbers of the power cartridges are the same and they have been inserted correctly.

Error 3: If the two power cartridges serial numbers are different from the ones which are registered with the housing.

Insert the power cartridge with the same serial numbers as the label put on the rear of housing. If new power cartridges are being exchanged, release the error and do the initial setting.

Error 4: If the cell temperature during charge is -20 °C or below, or 60 °C or above.

Charge after the battery is back at a normal temperature. If a cold battery is suddenly warmed, the moisture may cause circuit damage. If the battery temperatures abnormally rise during charge immediately stop charging.



Battery Protection Features

- Over Charge Protection
- Over Discharge Protection
- Over Charge Current Protection
- Over Discharge Current Protection
- Charge Temperature Protection
- Discharge Temperature Protection

Charging Time

VL-2PLUS		approx. 270 min.
VL-4S / 4Si	1-3CH	approx. 200 min.
	4CH	approx. 240 min.
EC-1		approx. 450 min.



Recommendations:

Please insert the cartridge from V-mount side (camera side) first, and then insert the products label side one.

Please fully charge after you bought the ELITE. Also, please fully charge when ELITE will be stored more than 3 month.

Please make sure the battery capacity with LED display before use the ELITE.

Please contact IDX System Technology, Inc. for questions and procedures involving how best to recycle the cartridges at the end of their life cycle—IDX can assist with all recycling requests.

