

RP-DC50

HEDBOX RP-DC50 DIGITAL DUAL BATTERY CHARGER

OVERVIEW:

The Hedbox RP-DC50 Dual Battery Charger features a large backlit LCD screen with readouts that give you a clear understanding of the status information of any connected battery, USB output and DC 12V input.

Dual charging plates allow for either one or two batteries to be charged simultaneously, while an Intelligent Control MCU can automatically identify the voltage and number of batteries fitted to the charger and prevent overcharging regardless of the operating mode selected. Fully interchangeable battery plates allow the RP-DC50 to be used to charge virtually any type of battery. No plates are included with the RP-DC50 but Hedbox have an extensive array comprising no less than 37 different plate types supporting hundreds of types of batteries. Intelligent charging technology within the RP-DC50...

Please note: Battery Plate not included in the box and sold separately. Please check Battery Plate compatibility using the Hedbox Battery Plate Finder on www.hedbox.com...

FEATURES:

Implemented Back-light

With an implemented back-light in the large LCD screen, the readout function is enabled in the dark, giving you the possibility to use the charger at any place and at any time.

Large LCD Display Screen

A large LCD screen provides clear, accurate, and precise display of the charging status. The USB output and DC 12V input display charge mode provide a clear insight into the way in which the charging mode is used to charge your professional battery. With an implemented backlight, the readout function is enabled in the dark.

Dual Bay Charging Option

The charger has the possibility to charge One or Two Batteries Simultaneously in the same time. Intelligent Control MCU can automatically identify the voltage and number of Batteries that is put on the charger, going intelligent charge when being charging, and prevent overcharge, depending if you chose Boost or standard charging mode on Boost push button.

Charging Technologies

Intelligent charging systems integrate the control systems within the charger and the electronics within the battery to allow precision control over the charging process. As a safety precaution with high-capacity batteries, a pre-charging stage is used. The charging cycle is initiated with a low current. If there is no corresponding rise in the battery voltage, it indicates that there is possibly a short circuit in the battery (zero volt activation). Constant current/constant voltage (CC/CV) charging mode is an effective way to charge lithium batteries. When a lithium battery is nearly empty, we take constant current to charge it. Charger CPU automatically adjusts charging current to be lower than the max charging current that the battery can accept. With constant charging, the voltage of the battery rises slowly until it reaches a maximum voltage at which point the charger switches the charging method to "constant voltage" and reduces the charging current. When the battery is fully charged, this state is stopped.

Charging Time

Intelligent Control MCU can automatically identify the voltage and number of batteries that are on the charger, and prevent overcharge depending of the charging mode that is selected. In HIGH charging mode, one professional battery like the HED-BP75D with 74.88 Wh will be charged in approximately 3.5 hours. Two HED-BP75D will be charged in approximately 6.5 hours. In LOW mode, the charging time for a single battery is 5.2 hours or 10.2 hours for two batteries.

Boost Charging Mode

Boost Charging Push button provide HIGH speed Charging Mode. In High speed charging Mode, charger provide 1.5A current Power per one battery Slot or 0.8A per two Battery Slots. In standard Charging Mode the current power is 1A per one slot and 0.5A per two slots. When Boost Charging mode is active it will be displayed (with boost charge ico) on the Charger LCD Display, in this charging mod, you can faster charge your battery pack, that will save you time, when you need it, on the field.

In Car Use

With 12V-24V DC power source (a DC 12V Car charger need to order separately) you can use charger and charge your batteries in the Car, Airplane, Bus or any other place where 12V-24V DC power is supplied.

Interchangeable Battery Plates

With easily Interchangeable Battery Plates (They are designed to use only with Digital Chargers model RP-DC50, RP-DC40 and RP-DC30.) Intelligent Charger can be used for all World Brand Battery Models. This Economic Option allows you to Charge many different Batteries, all with one Charger according to the plate model. Charger automatically sets Charging Voltage and the Charging Current for the designed Battery Pack. That leaves no space for charging error! Please note: battery plate sold separately.

INCLUDED IN BOX:

- 1 X **RP-DC50** DUAL CHARGER
- 1 X 12V IN CAR CABLE
- 1 X 110V ~ 240 POWER SUPPLY CABLE
- 1 X USER MAUNAL (ENGLISH)
- 1 X 2 YEAR LIMITED MANUFACTURER'S WARRANTY

SPECIFICATION:

Model :	RP-DC50 Intelligent Dual Digital LCD Battery Charger
AC Power In :	AC 110 – 240V , 50/60Hz
DC Power In :	DC 12 – 24V
Power Consumption :	Max 55W
Power Output 1 :	DC 8.4V – 16.8V / 1500mA Boost Power / 800mA Standard (auto-change the voltage according to the installed optional charging plate)
Power Output 2 :	DC 8.4V – 16.8V / 1500mA Boost Power / 800mA Standard (auto-change the voltage according to the installed optional charging plate)
DC Power Input :	DC 12V – 24V / 45W
USB Output :	5V, 10W / 2.1A (Max)
Charging Type :	Ni-CD , Ni-MH , Li-Ion
Operating Temperature :	-20°C to +45°C (-4°F to +113°F)
Dimensions (WxDxH) :	124 x 114 x 445 mm
Weight :	218 g
Charging Method :	RP-DC50 use optional changing plates according to the Battery Pack Manufacturer and Model

