



RP-DC100V

HEDBOX RP-DC100V DUAL BATTERY CHARGER AND DC UNINTERRUPTIBLE POWER SUPPLY – V-MOUNT

OVERVIEW:

Hedbox RP-DC100V is an Intelligent Digital Dual Battery Charger for V-Mount (V-Lock) Batteries featuring simultaneous charging and UPS/Power Bank capabilities. LED status indicators provides clear, accurate and precise reporting while integrated support stands ensure stable operation when only one battery is mounted. The included 4-pin XLR female to male DC Power Cable (RPC-DC4X4) enables the RP-DC100V to be used as a Power Bank, providing power to the DC output from the AC-input or fitted V-Lock batteries. DC output power of up to 14.5V 4.5A 75W is available.

When running as a Power Bank should the AC-input fail then power to the DC is seamlessly switched to a fitted battery, and then to the second battery upon depletion of the first battery. This UPS and Continuous Power Supply feature provides a valuable and constant DC power supply for audio, video and lighting equipment.

FEATURES:

2-ch Simultaneous Charger

The RP-DC100V digital dual battery charger conveniently charges two professional batteries simultaneously. Using the latest battery charging technologies, with zero-volt charging activation, allows you to charge two batteries at the same time saving you both time and money.

Charging Technology

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 (trickle charge) is used. Constant current/constant voltage (CC/CV) charging mode is an effective way to charge lithium batteries. It is used to charge the battery from 0% to 80% (RED light ON). When the battery is charged to 80%, impulse voltage charging (GREEN Light ON) takes over until the battery reaches 100%. Charger CPU automatically adjusts charging current to be lower than the max charging current that the battery can accept. When the battery is fully charged, this state is stopped.

LED Display Screen

LED display provides clear, accurate, and precise display of power status, charging status, battery channel status, and power bank mode. Displayed charging mode (red LED on – constant current charging, green LED on – impulse voltage charging) provides a clear insight into the way in which the charging mode is used to charge your professional battery. With a bright and intense light, the readout function is enabled in the dark.

Integrated locking support stand

The RP-DC100V is equipped with extra support stands making it easy to operate. The support stands provide extra stability while charging only one battery.

Power Bank Mode

The RP-DC100V can easily become a very powerful power bank if used with a specially designed Hedbox professional high flexibility power cable RPC-DC4X4-4-pin XLR female to male (included in the box). The power output is DC14.5V/4.5A, 75W and the capacity depends on the batteries used. For this application use the cable: RPC-DC4X4 / 4-Pin XLR Male to Female Plug.

DC Out 16.5V, 4.5A / 75W

With a 4-pin XLR female connector on the front panel, the RP-DC100V provides extra DC output for supplying constant power to external units like professional camcorders, video monitors, LED lights and other professional broadcast products. Connected with specially designed Hedbox professional high flexibility power cable RPC-DC4X4-4pin XLR female to male (included in the box), the charger can be used as an AC-DC adaptor of DC 14.5V/4.5A, 75W output.



INCLUDED IN BOX:

- 1 X RP-DC100V INTELLIGENT DIGITAL DUAL BATTERY CHARGER
- 1 X RPC-DC4X4 DC 4-PIN XLR POWER CABLE
- 1 X 110V ~ 240V POWER SUPPLY CABLE
- 1 X USER MAUNAL (ENGLISH)
- 1X 2 YEAR LIMITED MANUFACTURER'S WARRANTY

SPECIFICATION:

Model :	RP-DC100V Intelligent Dual Digital Professional Battery Charger
AC Power In :	AC 110 – 240V , 50/60Hz
Battery Mount :	V-Lock and V Mount Battery Plate
Power Consumption :	Max 85W
Power Output 1 :	DC 16.8V / 3A Sinlge Chanel / 2.4A Dual Chanel Charge
Power Output 2 :	DC 16.8V / 3A Sinlge Chanel / 2.4A Dual Chanel Charge
DC Power Out :	DC 16.5V / 4.5A / 75W (max)
Power Bank Out :	DC 16.5V / 4.5A / 75W (Capacity depends on the total capacity of the installed Battery Packs)
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-DC100V use advance Constant Current and Impulse Voltage charging Methods



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