



## RP-DC100A

### HEDBOX RP-DC100A DUAL BATTERY CHARGER AND DC UNINTERRUPTIBLE POWER SUPPLY – GOLD MOUNT

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#### OVERVIEW:

Hedbox RP-DC100A is an Intelligent Digital Dual Battery Charger for Gold-Mount 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-DC100A 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.

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#### FEATURES:

##### 2-ch Simultaneous Charger

The RP-DC100A 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-DC100A 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-DC100A 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-DC100A 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-DC100A 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:

<b>Model :</b>	<b>RP-DC100A</b> Intelligent Dual Digital Professional Battery Charger
<b>AC Power In :</b>	AC 110 – 240V , 50/60Hz
<b>Battery Mount :</b>	<b>AB-Lock</b> and <b>Gold Mount</b> Battery Plate
<b>Power Consumption :</b>	Max 85W
<b>Power Output 1 :</b>	DC 16.8V / 3A Sinlge Chanel / 2.4A Dual Chanel Charge
<b>Power Output 2 :</b>	DC 16.8V / 3A Sinlge Chanel / 2.4A Dual Chanel Charge
<b>DC Power Out :</b>	DC 16.5V / 4.5A / 75W (max)
<b>Power Bank Out :</b>	DC 16.5V / 4.5A / 75W (Capacity depends on the total capacity of the installed Battery Packs)
<b>Charging Type :</b>	Ni-CD , Ni-MH , Li-Ion
<b>Operating Temperature :</b>	-20°C to +45°C (-4°F to +113°F)
<b>Dimensions (WxDxH) :</b>	124 x 114 x 445 mm
<b>Weight :</b>	218 g
<b>Charging Method :</b>	<b>RP-DC100A</b> use advance Constant Current and Impulse Voltage charging Methods



For more informations about our complete product range please visit our web site at [www.hedbox.com](http://www.hedbox.com)