D100v2 100W/10A Balance Charger/Discharger (SK100131)

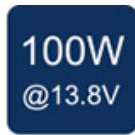| LiPo	LiHV	LiFe	LiIon	NiMH	NiCd	PB
1-6 cell	1-6 cell	1-6 cell	1-6 cell	1-15 cell	1-15 cell	2-20 V

SkyRC D100 v2 is a twin-channel charger with two independent circuits which can charge batteries of varying chemistries (LiPo/LiHV/LiFe/LiIon/NiMH/NiCd/PB)simultaneously. Capable of operating as a power supply with the maximum output of 100W helps the hobbyists to power the DC equiments. With its unprecedented function of voice guide, even a freshman can use this charger without any hurdles.

Additional feature including our "SCAN TO GO" either..

Voice Guide	DC Power Supply	Power Distribution	SCAN TO GO	Lithium Battery Balancer	Discharge

100W @13.8V

Program Data Store/Load	Battery Meter	Battery Resistance Meter	Terminal Voltage Control	PC Control	Maximum Safety

VOLT

mΩ

TVC

Dot Matrix 128×64 LCD Screen

LIPO BALANCE
10.0A   22.2V(6S)
DC SUPPLY: CH1:   60W
CH2:   0W

CH A / CH B · BATT/PROG · Stop · DEC. Status · INC. · ENTER Start

Output Socket 4mm Banana Plug

Balance Lead Socket

Temperature Sensor Port

USB Port 2.1A@5V

Micro USB Port for PC Link / Firmware Upgrade

Temperature Sensor Port

Balance Lead Socket

Cooling Fan

Output Socket 4mm Banana Plug

Alter Values
See the Status of Individual Cells in Balance Charge Mode

Resume or Start Charge Processes

Scroll Through the Main Menu Stop Any Charge Processes

Switch from Channel A to B or Channel B to A

DC Power LED Light

DC Input: 11-18V
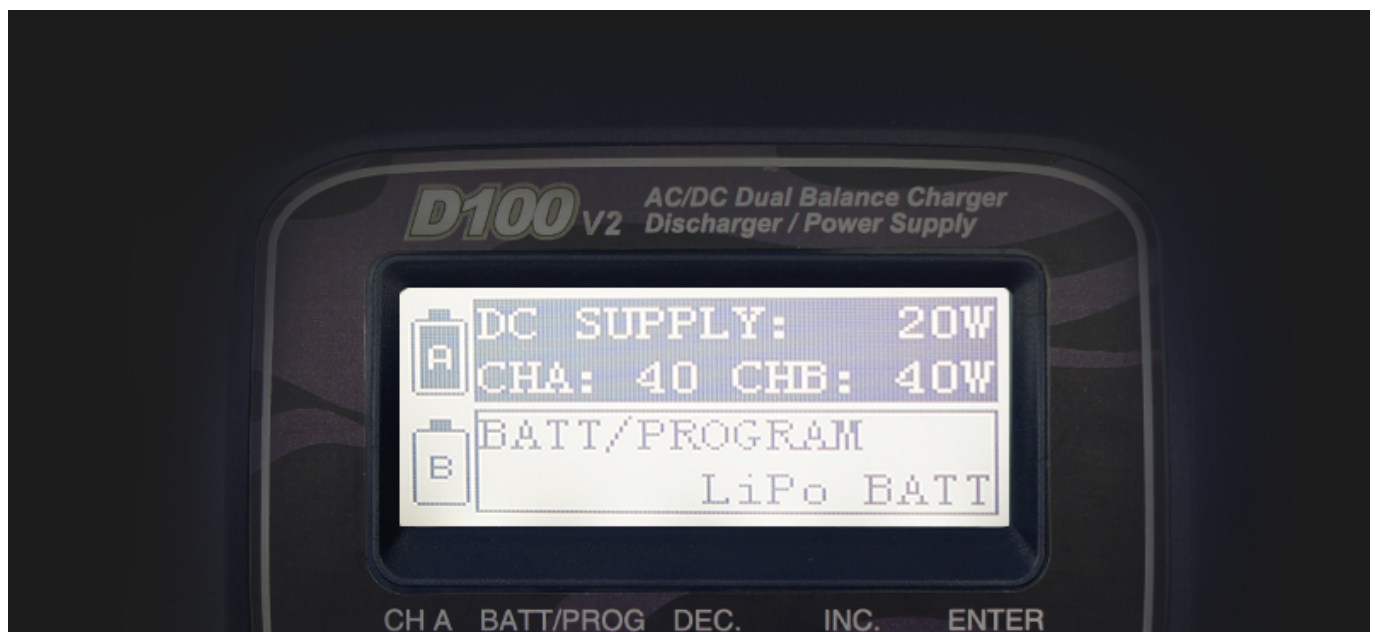DC Output: 13.8V

Speaker System

AC Input 100-240V

Voice Guide

Purposes to make the charger more user-friendly and customizable. A speaker supported English and Chinese separately have been included in the left side of the charger that can reduce the times for misoperation

Power Distribution

The charger supports power distribution between channel A / channel B and PSU under the total power of 100W in AC mode.

DC Power Supply

The ability of supplying 100W/13.8V DC power dramatically expands its usage scope, which is really an amazing partner for hobbyists to power the DC equipments.

Twin-channel charger

SkyRC D100 v2 allows you to plug 2 batteries into one charger simultaneously, and it will intelligently and

automatically charge 2 batteries at once.

LiHV Mode Available

The additional LiHV mode is able to charge the new generation of LiPo batteries with an end of charge voltage of 4.35 V
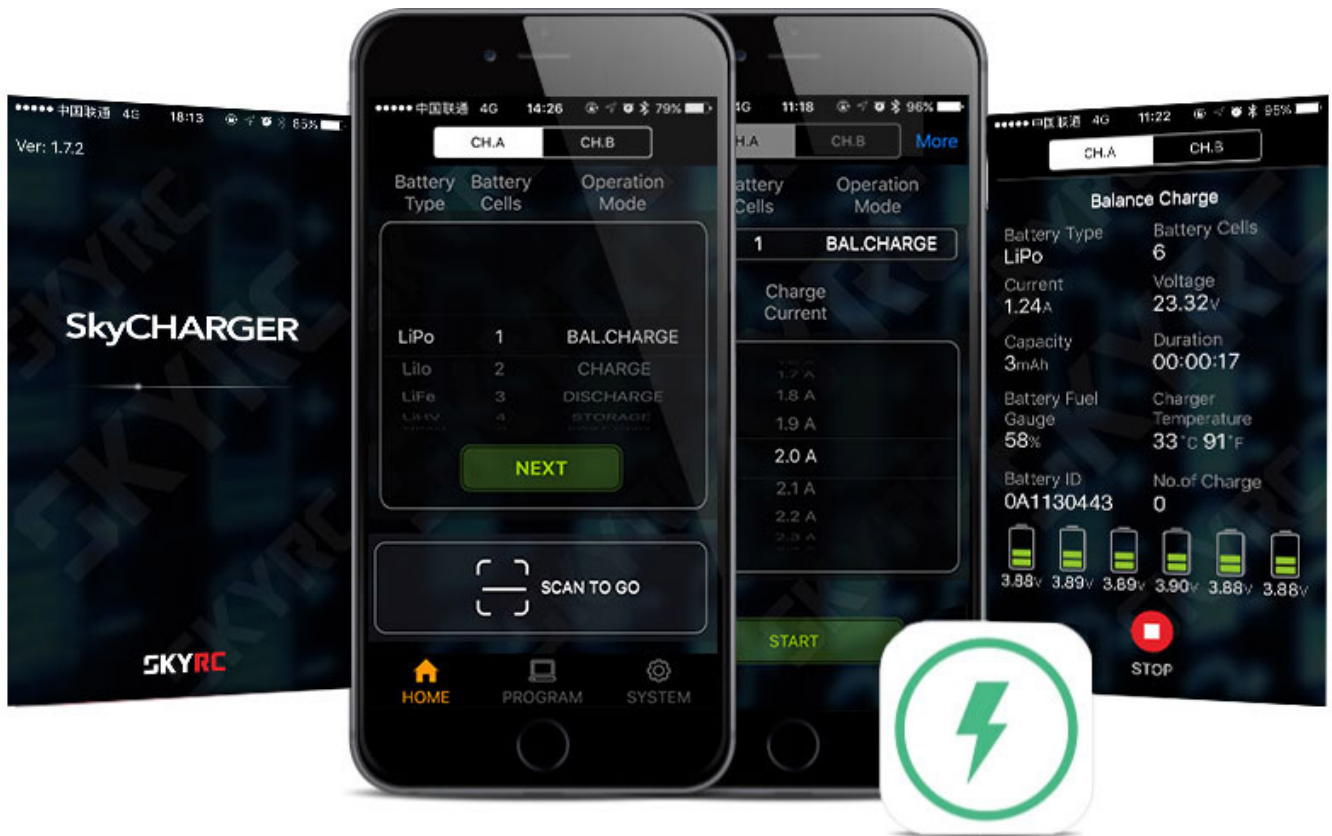
SkyCharger App

The Bluetooth 4.0 connectivity allows the user to remote control and monitor the D100 v2 comfortably through an app on a portable device such as smartphone, iPad, or iPhone. The iOS app can be downloaded from iTunes Store, the Android app from Google Play Store. Operation of the app is self-explanatory and the same on iOS and on Android. Explicit pairing is not required; after download and installation just activate Bluetooth on your mobile device and launch the app. D100 v2 and your device will establish Bluetooth connection automatically.

Scan to Go

A very unique feature of D100 v2 is SCAN TO GO (automatically charging system). As the range of battery types and capacity becomes more and more, each battery requires its own dedicated charging process. It is easy to set up the charger incorrectly for a specific type of battery, resulting damage the battery or even cause accident.
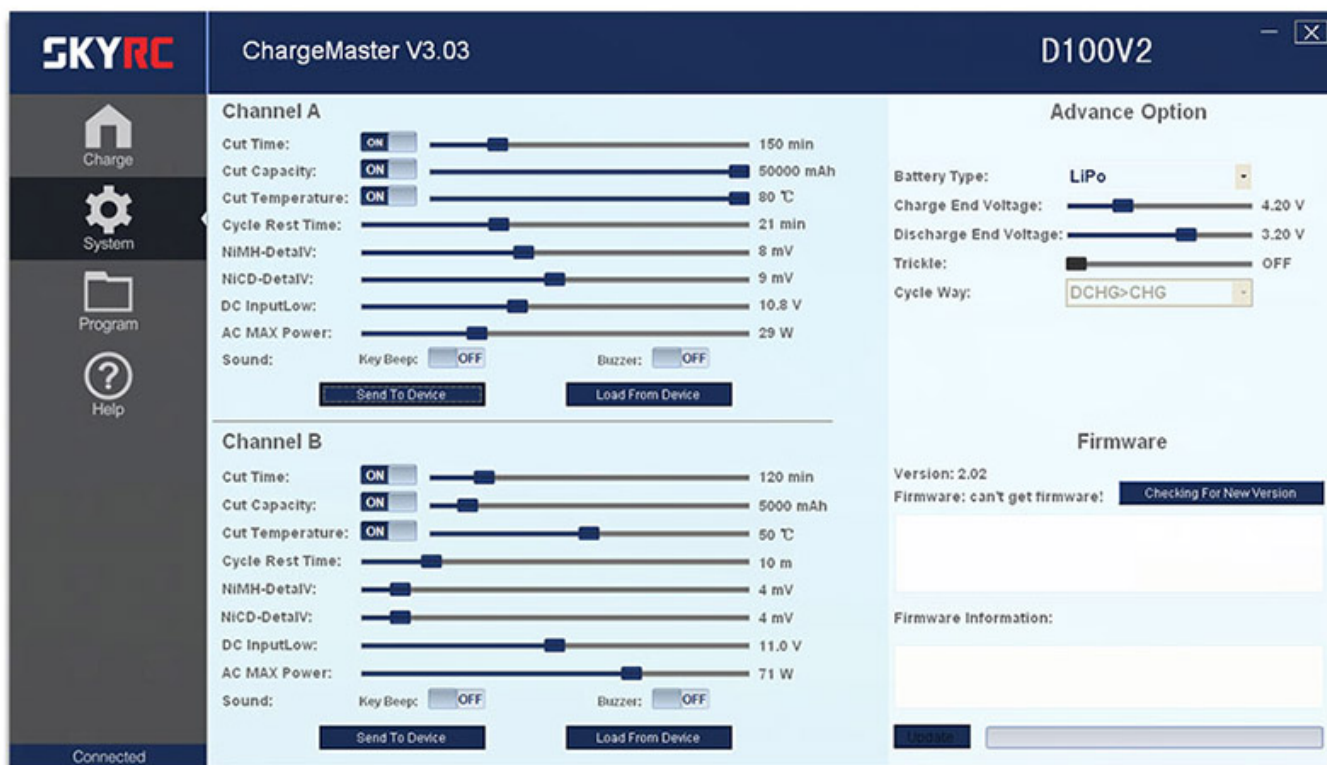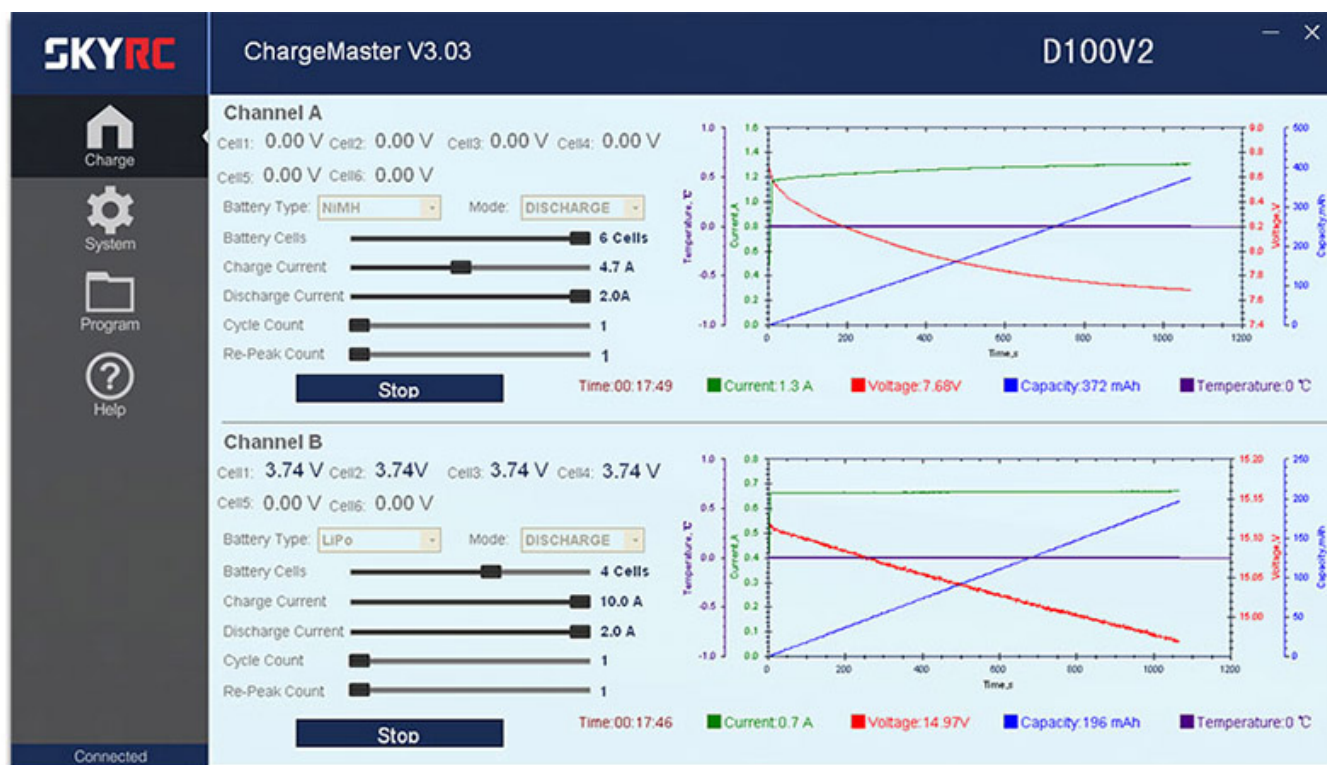
The revolutionary SCAN TO GO provides a solution to this problem by allowing the user to assign a QR Code which contains all the relevant data for the battery for charging or discharging. The user can create a unique QR Code by using "SkyCharger" apps. Print it and paste it on the battery.

Using your smart phone and launch "SkyCharger" app. Since all the essential information is stored in the QR Code. All you need to do is press the Scan button, and the charge or discharge process will start automatically.

Charge Master

The user can monitor pack voltage, cell voltage and other data during the charging, view charge data in

realtime graphs, and can also control charging and update firmware from "Charge Master".

TECHNICAL DATA

Input Voltage	AC 100-240V
	DC 11-18V
Charge Circuit Power DC Input	2x100W
Charge Circuit Power AC Input	100W (distribution adjustable)
Discharge Circuit Power	2 x 10W
Charge Current Range	0.1 - 10A
Discharge Current Range	0.1 - 2.0A
Current Drian for Balancing Port	Max. 300mA / cell
Trickle Charging Current	50mA - 300mA & OFF
DC Power Supply Output	13.8V / 10-100W
Display Backlight	White
Case Material	Plastic
Maximum Cells	LiPo/LiFe/LiIon: 1-6 cells
	NiMH/NiCd: 1-15 cells
	Pb: 2-20V
USB Output	5V / 2.1A
Weight	670g
Dimensions (LxWxH)	153x140x67mm

DOWNLOADS

D100v2 Instruction Manual (2.3 MiB)

SKYRC Charge Master Windows Software for D100v2 (50.6 MiB)