# Ultimate Duo 700W/30A Balance Charger/Discharger (SK100087)





1-8s 1-20s 2-24v

SKYRC Ultimate Duo is a twin-channel charger with two independent circuits which can charge two different kinds of batteries simultaneously. The Ultimate Duo 700W features the so-called AUTO function that set the feeding current during the process of charging or discharging. Especially for Lithium batteries, it can prevent the overcharging which may lead to an explosion due to the user's fault. It can

disconnect the circuit automatically and alarm once detecting any malfunction. All the programs of this product were controlled through two way linkage and communication, to achieve the maximum safety and minimize the trouble. All the settings can be configured by users!

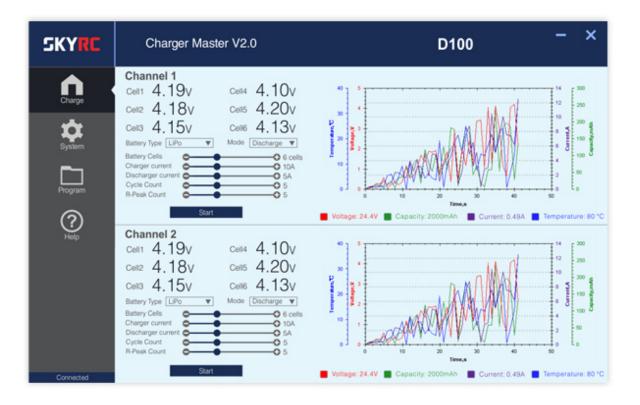
### Features

- Channel Synchronous Mode
- High Efficiency with Synchronous Rectification Techniques
- LiHV Mode Available
- Balance Port for Charging/Discharging
- Terminal Voltage Control
- Re-Peak Mode for NiMH/NiCd Battery
- Battery Meter
- Battery Internal Resistance Meter
- PC Communications: USB Port for PC Control & Firmware Upgrade
- Smart Phone Control & Monitor via Wi-Fi Module(SK-600075 Optional Part)
- Maximum Safety Protection

## **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".

(Note: shown for D100 but is the same for Ultimate Duo version)



SKYRC	Charger Master V2.0	D100 – ×
Charge System	Channel A Cut Time Cut Capacity ON OF	Advance Option Battery Type LIPo V Charge End Voltage O 4.2 V Discharge End Voltage O 4.2 V Trickle O 50 mA Cycle CHG>DCHGV
Program Program Help	DC InputLow 6 V AC MAX Power 6 6 W Sound Key Beep 0 0FF Buzzer ON 6 W Send to Device Load From Device Channel B Cut Time 0 0FF 6 6 min	Firmware
	Cut Capacity ON C G mAh Cut Temperature OFF C G G min NMH-DetalV G G mV NCD-DetalV G G mV DC InputLow G V AC MAX Power G G W	Version 3.01 Firmware Checking for New Version Firmware infomation
Connected	Sound Key Beep OFF Buzzer ON Send to Device Load From Device	Update

#### TECHNICAL DATA

Input Voltage Charge Circuit Power Discharge Circuit Power Charge Current Discharge Current Balance Port Charge Current Current Drian for Balancing Port Trickle Charging Current Display Backlight Case Material Maximum Cells DC 11-30V DC Input 2x 700W 2 x 30W 0.1 - 30.0A 0.1 - 5.0A 10 - 500mA Max. 800mA / cell 50mA - 300mA & OFF Blue Alloy LiPo/LiFe/LiIon: 1-8 cells NiMH/NiCd: 1-20 cells Pb: 2-24V

#### DOWNLOADS

SKYRC Charge Master Windows Software v3.01 (2.5 MiB)