

## RS16 180W/16A Balance Charger/Discharger (SK100078)



### Super-compact Portable Balance Charger/Discharger

SkyRC RS16 is a high-performance, micro processor control charge/discharge station with battery management suitable for all current battery types. There is an integral equalizer for six-cell Lithium- Polymer (LiPo), Lithium-Ferrum (LiFe) and Lithium-Ion (LiIon) batteries; the maximum charge current/power can reach 16A/180W.

SKYRC RS16 represents the newest technology of chargers with its handheld super-compact portable charging system. The joystick gives the user best operational experience and also makes the charger smart and unique.

There are two DC inputs, one is banana plug type and the other is XT60 type. The banana plug type in the bottom is designed for Direct Plug Docking System.



Compact and Unique Design



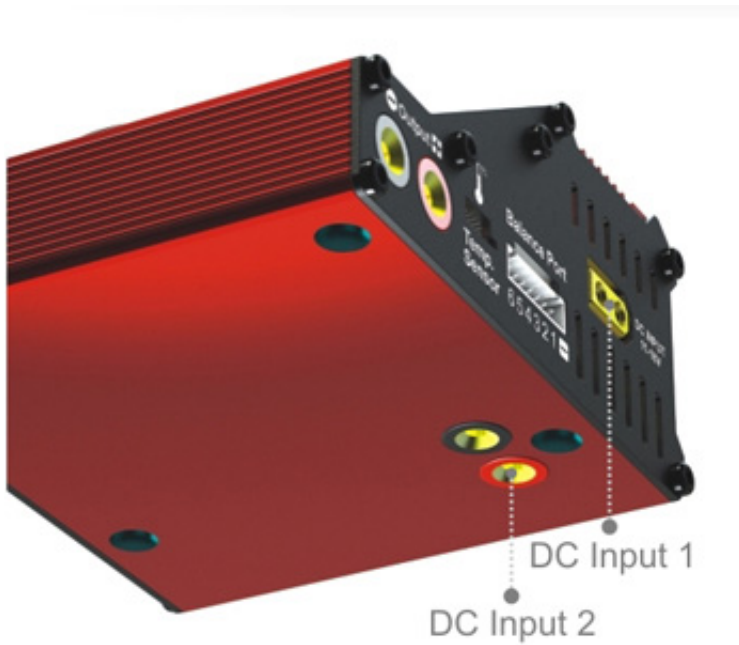
The size of SkyRC RS16 is 92x111.4x50mm which makes this product a super-compact portable charging system.





## Smart Cooling Fan

The fan is ON/OFF  
automatically according to  
the internal temperature.



## Two DC Inputs

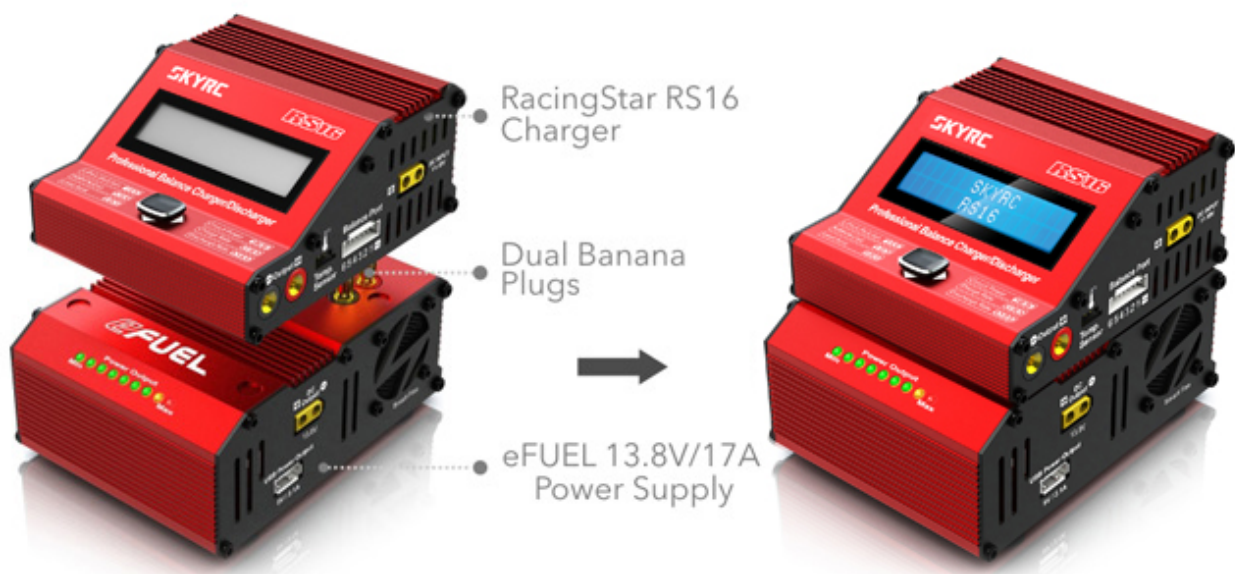
There are two DC inputs, one (XT60 Type) is located in the right



side of the charger and the other  
(banana plug type) is located in  
the bottom.

## Direct Plug Docking System

There is a DC input on the bottom of the charger and it is designed  
for docking into the eFuel 230W 13.8V switch DC power supply  
(Part.No. SK-200017).



Depending on different kinds of batteries, there are different charging modes to meet users requests:

***LiPo, LiFe & LiIon Batteries:***

Normal Charge, Balance Charge, Fast Charge, Discharge, Storage

***NiCd & NiMH Batteries:***

Normal Charge, Auto Charge, Discharge, Cycle, Re-Peak

***PB Battery:***

Normal Charge, Discharge

## **Special Features**



Maximum Safety

- Automatic Charging Current Limit
  - Capacity Limit
  - Temperature Threshold
  - Processing Time Limit
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Battery Meter

The user can check battery's total voltage, the highest voltage, the lowest voltage and each cell's voltage with this charger.

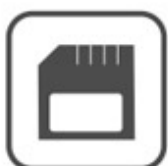
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Terminal Voltage Control

The charger allows the user to set the charge / discharge end voltage.

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Memory Preset

The charger can store up to 10 different charge/discharge profiles for your convenience. Users can call out these data at any time without any special program setting.

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PC Control\*

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 with the "Charge Master" pc program.

## SkyRC Charge Master





## The Set Contains

1. SkyRC RS16 Charger
2. 18AWG Wire Charging Cable
3. DC Input Power Cable
4. 2S LiPo Hardcase Charging Lead Including Balancing Adapter
5. Multiple Balancing Board



## TECHNISCHE DATEN

DC Input Voltage	11-18V
Controls	Joystick
Display Type	2x16 LCD
Display Backlight	Blue
Case Material	Metal
Cooling System	1 Built-in fan
PC Communications	USB Port for PC Control & Firmware Upgrade
External Port	Balance Socket XH, Temperature Probe Socket, Battery Socket, DC Input, Micro USB Port
Delta Peak Detection	3-15mV/cell
Charge Cutoff Temperature	20-80°C
Charge Voltage	LiPo: 4.18-4.30V/cell LiFe: 3.58-3.70V/cell LiIon: 4.08-4.20V/cell
Balance Current	200mA/cell
Voltage Range	0.1 - 25.8V
Maximum Cells	LiPo/LiFe/LiIon: 1-6 cells NiMH/NiCd: 1-15 cells Pb: 2-20 cells
Battery Capacity Range	100-50000mAh

Charge Current	0.1-16A
Charge Wattage	180W
Safety Timer	1-720 minutes
Discharge Current	0.1-8A
Discharge Wattage	30W
Discharge Cut-off Voltage	NiMH/NiCd: 0.1-1.1V/cell LiPo: 3.0-3.3V/cell LiFe: 2.6-2.9V/cell LiIon: 2.9-3.2V/cell Pb: 1.8V/cell
Balance Cells	6 cells
Memory	10 charge/discharge profiles
Charge Method	CC/CV for lithium types and lead batteries, Delta-Peak for NiMH/NiCd
Weight	405g
Dimensions (LxWxH)	111.4x92x50mm

## DOWNLOADS

 [Bedienungsanleitung SkyRC RS16 \(819.1 KiB\)](#)

 [Charge Master Windows Software \(49.7 MiB\)](#)