B6AC+ v2 50W/6A Balance Charger/Discharger (SK100009-15)

SKYRC B6AC+ V2 is the upgraded version for well-known IMAX B6AC+ V1. Compared with B6AC+ V1, it is more accurate and stable and also has some new features and functions. Users could set the terminal voltage by themselves and connect it to PC for PC control and firmware upgrade. What's more, users could also use it as Lithium Battery Meter and Battery Internal Resistance Meter. There are Automatic Charging Current Limit, Capacity Limit, Temperature Threshold and Processing Time Limit which makes the charger safer than V1.

SKYRC B6AC+ V2 is a high-performance, micro processor control charge/discharge station with
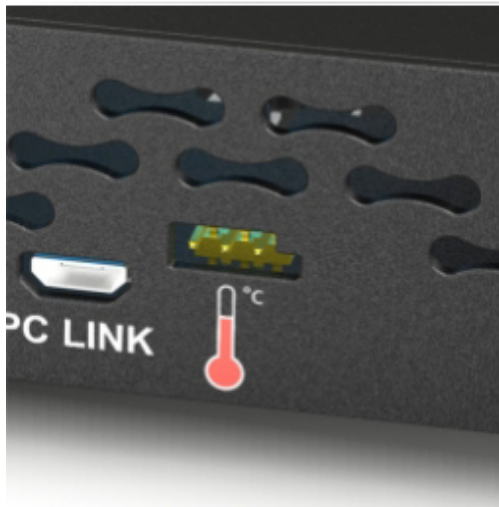
battery management suitable for use with all current battery types, with integral equalizer for six-cell Lithium- Polymer (LiPo), Lithium iron phosphate(LiFe) and Lithium-Ion (LiIon) batteries; maximum 6A charge current and maximum 50W charge power.

Classic Design

Dual Power
AC/DC Input

AC input:100-240V
DC input:11-18V

DC 11-18V

AC IN ~ 100-240 V 50-60Hz

⊖–C–⊕

PC LINK ℃

Temperature Probe Socket

If the temperature limit is reached, the process will be terminated.

*This function is available by connecting optional temperature probe, which is not included in the package.

* Temperature Probe
SK-600040

2-6S XH Plug-in Balance Sockets

Balance Charging Socket

| 4 cells | 3 cells | 2 cells |
| 6 cells | 5 cells | |

OUTPUT

Different Charging Modes

LiPo / LiFe LiIon Batteries	NiCd/NiMH Batteries	PB Battery
Normal Charge	Normal Charge	Normal Charge & Discharge
Balance Charge	Auto Charge	
Fast Charge	Discharge	
Discharge	Cycle	
Storage	Re-Peak	

Special Features

Lithium Battery Balancer

SKYRC B6 AC+ V2 employs an individual-cell-voltage balancer. It isn't necessary to connect an external balancer for balance charging.

Program Data Store/Load

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.

Battery Meter

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

```
BATT/PROGRAM          MAIN 12.54U      4.18 4.18 4.18 V
        BATT METER    H4.181U  L4.179U  0.00 0.00 0.00 V
```

Battery Resistance Meter

The user can check battery's total resistance, the highest resistance, the lowest resistance and each cell's resistance.

```
BATT/PROGRAM           TOTAL: 40mΩ     015  012   013 mΩ
    BATT RESISTANCE   H:  15mΩ  L:  12mΩ
```

Maximum Safety

Automatic Charging Current Limit
Capacity Limit
Temperature Threshold
Processing Time Limit

* The Maximum Safety makes the charger safer than B6 AC+ V1
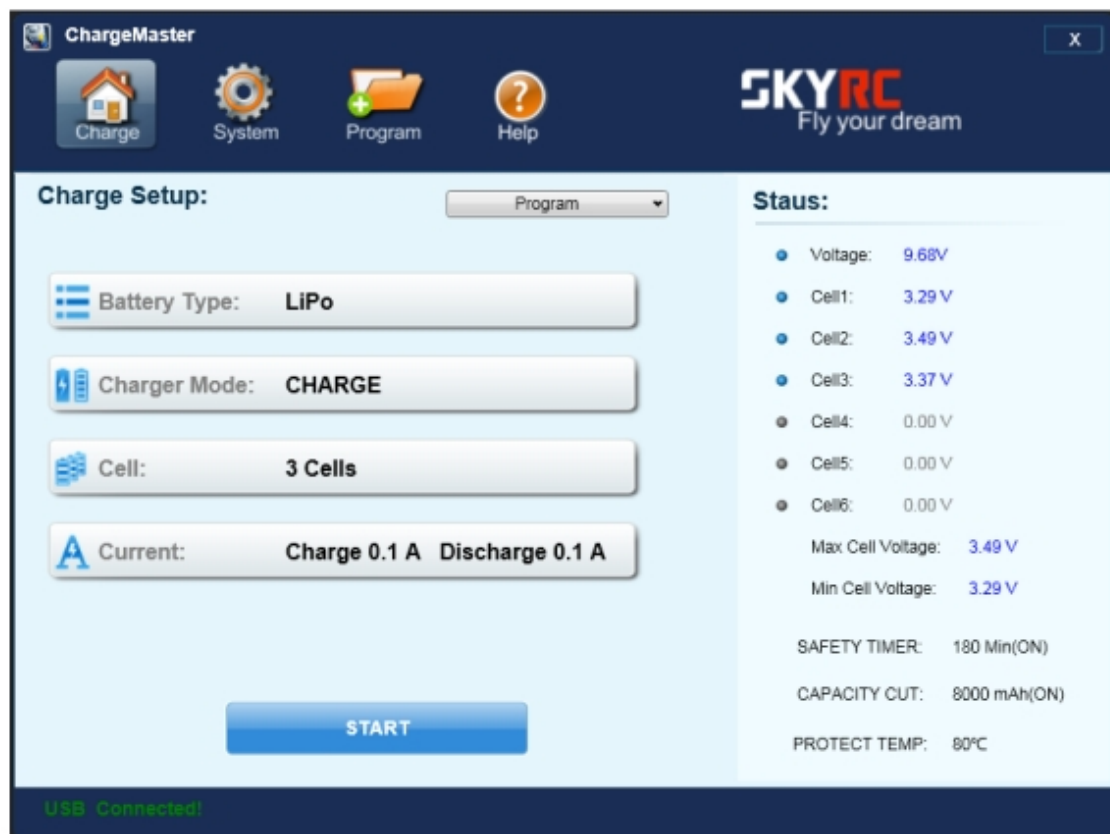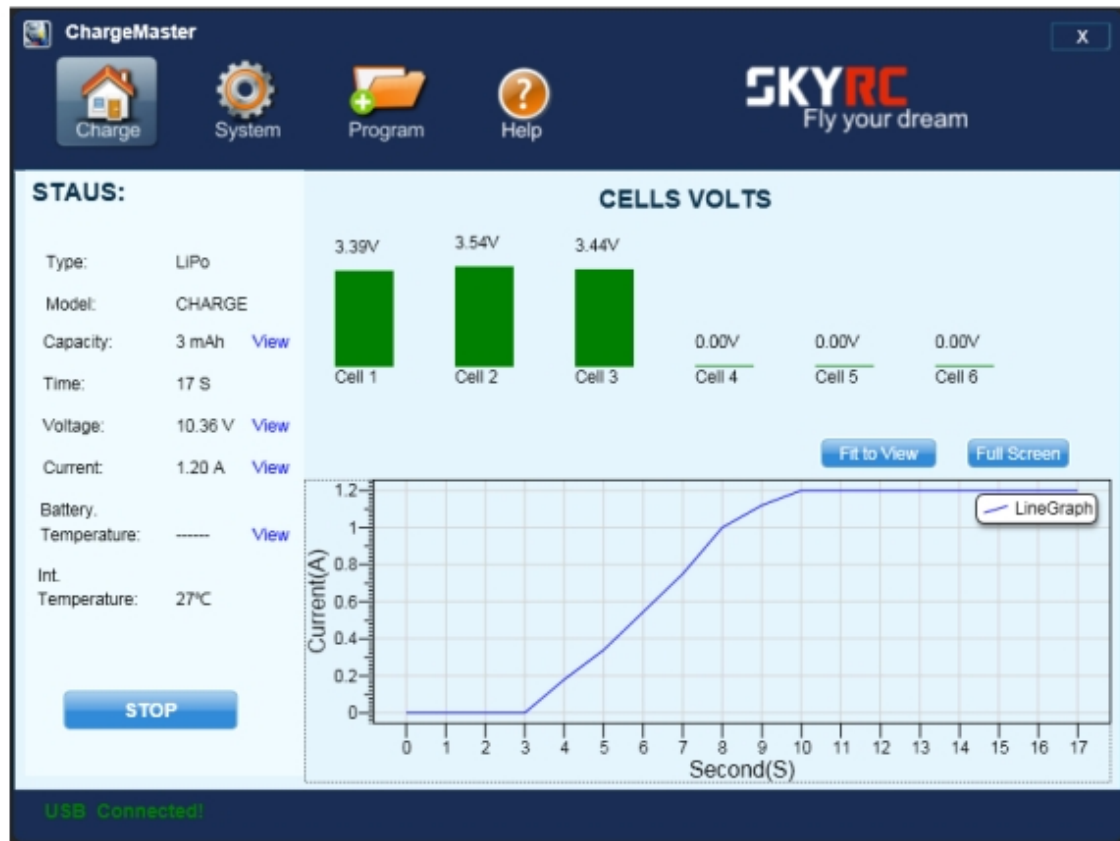
TVC — Terminal Voltage Control

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

PC Control

The user can monitor pack voltage, cell voltage and other data during the charging, view charge date in realtime graphs, and can also control charging and update firmware from "Charge Master".

ChargeMaster

				SKYRC
Charge	System	Program	Help	Fly your dream

STAUS:

Type:	LiPo
Model:	CHARGE
Capacity:	3 mAh View
Time:	17 S
Voltage:	10.36 V View
Current:	1.20 A View
Battery. Temperature:	------ View
Int. Temperature:	27℃

STOP

USB Connected!

CELLS VOLTS

3.39V	3.54V	3.44V	0.00V	0.00V	0.00V
Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	Cell 6

Fit to View   Full Screen

LineGraph

(Graph: Current(A) vs Second(S))

Smart Phone Control
& Monitor Via WiFi Module

SK-600075 Optional Part

Connect with Charger

Available on the App Store

ANDROID APP ON Google play

Scan with your **Smartphone** to download.

TECHNICAL DATA

DC Input Voltage	11-18V
AC Input Voltage	100-240V
Display Type	2x16 LCD
Display Backlight	Blue
Case Material	Metal
Cooling System	1 Built-in fan
Maximum Cells	LiPo/LiFe/LiIon: 1-6 cells
	NiMH/NiCd: 1-15 cells
	Pb: 2-20V
Charge Current	0.1-6.0A
Charge Wattage	50W
Discharge Current	0.1-2.0A
Discharge Wattage	5W
Weight	632g
Dimensions (LxWxH)	144x135x36mm

DOWNLOADS

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