Quattro B6AC Charger (SK-100013)

SkyRC Quattro B6AC

SKYRC QUATTRO B6AC 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-Ion (LiIon), Lithium-Polymer (LiPo) and Lithium-Ferrum (LiFe) batteries.

Maximum 6A charge current; can be powered by a 12 Volt car battery or from 100V-240V via the built in switch-mode power supply.

And the circuit features four totally independent identical power outputs which are powered 50 watts each. Total powers are 200 watts. As a result , it can charge or discharge up to 4 x 15 cells of NiCd/NiMH or 4 x 6 series of Lithium batteries simultaneously. Quattro B6AC has four individual cell voltage balancer at each outputs, so it does not required any balancer separately when charging Lithium Battery (LiPo/LiIon/LiFe) for voltage balancing.

When a Nickel battery is fully charged, the unit terminates the process using the Delta-Peak method. Lithium and lead (Pb) batteries are charged using the CC-CV method.

The fan cooling system is so smart and efficient. The fan speed is controlled by internal temperature sensor.

SKYRC QUATTRO B6AC allows you to plug 4 batteries into one charger simultaneously, and it will intelligently and automatically charge all 4 of them at once to their maximum
capacity. To top of it, the batteries being charged do not even need to have the same configuration. You can connect different chemistry(Ni-MH/Ni-CD/LiPo/LiFe)batteries into
any of the charging ports. No more staying up late for charging batteries.

Optimized Operating Software

SKYRC QUATTRO B6AC 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!

Internal Independent Lithium Battery Balancer

SKYRC QUATTRO B6AC employs an individual-cell-voltage balancer. It isn't necessary to connect an external balancer for balance charging.

Balancing Individual Cells Battery Discharging

During the process of discharging, SKYRC QUATTRO B6AC can monitor and balance each cell of the battery individually. Error message will be indicated and the process will be
ended automatically if the voltage of any single one cell is abnormal.

Fast and Storage Mode Lithium Charge

Purposes to charge lithium battery varies, 'fast' charge reduce the duration of charging, whereas 'store' state can control the final voltage of your battery, so as to store for a long time and protect useful time of the battery.

Cyclic Charging/Discharging

1 to 5 cyclic and continuous process of charge>discharge or discharge > charge is operable for battery refreshing and balancing to stimulate the battery's activity.

Data Store/Load

The maximum ten batteries' data can be stored for each output(10X4SET). You can keep the data pertaining to program setting of the battery of continuous charging or discharging.
Users can call out these data at any time without any special program setting.

Terminal Voltage Control (TVC)

The charger allows user to change the end voltage.

LiPo Battery Meter

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

PFC

A PFC (Power Factor Correction) is internal integrated.

Adaptable to Various Types of Lithium Battery

SKYRC QUATTRO B6AC is adaptable to various types of Lithium batteries, such as Li-ion, LiPo and the new LiFe series of batteries.

Automatic Charging Current Limit

You can set up the upper limit of the charging current when charging your NiMH or NiCd battery, it is useful for the NiMH battery of low impedance and capacity in the 'AUTO' charging mode.

Capacity Limit

The charging capacity is always calculated as the charging current multiplied by time. If the charging capacity exceeds the limit, the process will be terminated automatically when you set the maximum value.

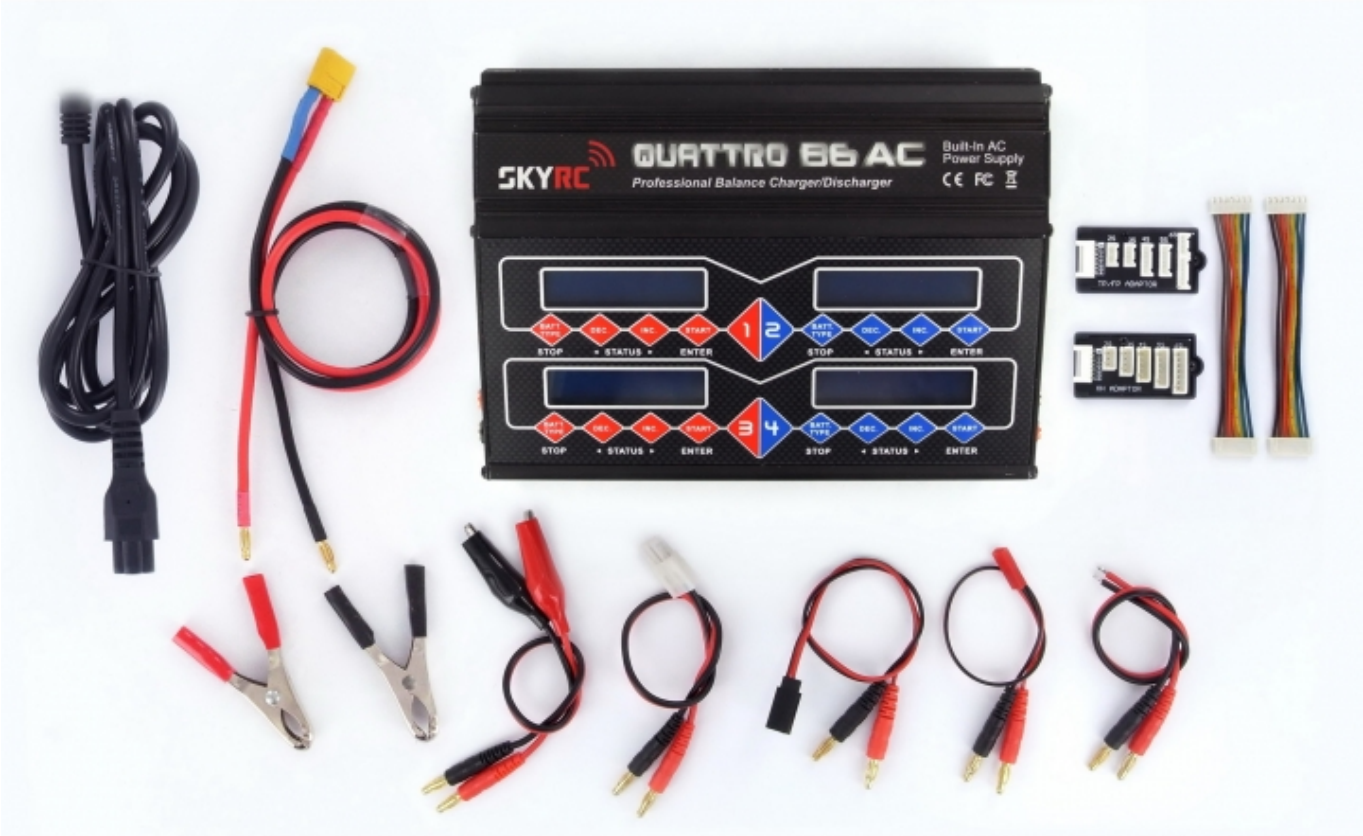
Temperature Threshold

The battery's internal chemical reaction will cause the temperature of the battery to rise. If the temperature limit is reached, the process will be terminated.

Processing Time Limit

You can also limit the maximum process time to avoid any possible defect.

Accessories Included



TECHNISCHE DATEN

Input Voltage	AC Input: 100-240V DC Input: 11-18V
Controls	4 Buttons for each Channel
Display Type	2x16 LCD screen for each Channel
Display Backlight	Blue
Case Material	Metal
Balance Current	200mA/cell
Maximum Cells	LiPo/LiFe/LiIon: 1-6 cells NiMH/NiCd: 1-15 cells Pb: 2-20V
Charge Current	0.1-6A
Charge Wattage	4x50W
Discharge Current	0.1-2A
Discharge Wattage	4x5W
Balance Cells	6 cells
Weight	1.73kg

Dimensions (LxWxH)	225x170x66mm

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