

SkyRC PC1080neo dual-channel lithium battery charger



Model: SK-100220-02

Manufacturer: SKYRC

EAN: 6930460008626

Product Code: 808676

R5,569

Dual-channel lithium battery charger

The SkyRC PC1080neo is an advanced charger designed for LiPo and LiHV lithium batteries. The device has been designed for users who require high power, precise charging, and convenient operation. With two independent channels and a total power of 1080 W, it allows you to charge two battery packs simultaneously, which significantly reduces the time needed to prepare your equipment for use.

High power and two independent channels

The charger offers a total output power of up to 1080 W, or 540 W per channel. This makes it possible to quickly charge even large battery packs used in drones and professional equipment,

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among other things. Each channel operates independently, so you can charge two batteries simultaneously with different parameters. The charging current range from 1 to 20 A allows you to adjust the process to a specific pack.

Support for LiPo and LiHV batteries

The PC1080neo model is compatible with LiPo and LiHV batteries with up to 6 cells. The charger allows for a wide range of final voltage adjustment, so you can adjust the parameters to different types of packs. For LiHV batteries, the voltage can be adjusted from 4.25 V to 4.50 V per cell, allowing for greater capacity while maintaining control over charging safety.

Different operating modes to suit your needs

The charger offers several operating modes to suit your current needs. Fast charging mode reduces the time it takes to prepare the battery for use. Balancing mode equalizes the voltage of individual cells, improving the performance and life of the pack. There is also a Storage mode, which sets the optimal voltage for long-term battery storage.

Clear display and simple operation

The device is equipped with a 2.8-inch color display with a resolution of 320 × 240 pixels. The screen is set at a 65° angle, so all information is clearly visible during operation. The interface shows parameters such as voltage, current, capacity, and charge level in real time, which facilitates control of the entire process.

Precision operation thanks to the Cortex-M3 processor

At the heart of the charger is an ARM Cortex-M3 processor, which is responsible for stability and accuracy of operation. This allows the device to precisely control the charging voltage and current, ensuring a safe and stable process. Cell balancing precision reaches up to ± 10 mV per cell in balancing mode.

Efficient and stable operation thanks to Active PFC

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The use of Active PFC technology increases the energy efficiency of the device. This function stabilizes the input voltage and reduces interference in the electrical network. As a result, the charger achieves high energy conversion efficiency of around 90%.

Universal power supply

The charger supports a wide input voltage range from 100 to 240 V at 50/60 Hz. This allows it to be used in different countries without the need for additional voltage converters.

Security system

The SkyRC PC1080neo is equipped with an extensive set of security features that protect both the charger and the batteries. The Multi Safe Circuit system includes protection against short circuits, reverse polarity, overheating, overvoltage, and overcharging. In addition, a timeout feature and automatic shutdown in case of malfunction are included.

Software update

The device can be updated via the USB-C port using the Charger Master application available for Windows and macOS. This allows the user to easily update the firmware and improve the compatibility and functionality of the charger.

Manufacturer	SkyRC
Model	PC1080neo
Device type	Dual-channel lithium battery charger
Input voltage	AC 100–240 V, 50/60 Hz
Charging power	1080 W (540 W × 2) ±10%
Supported batteries	LiPo / LiHV – up to 6S
LiPo cut-off voltage	4.15–4.25 V / cell (default 4.20 V)
LiHV cut-off voltage	4.25–4.50 V / cell (default 4.35 V)

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Storage mode voltage 3.90 V ± 0.05 V / cell

Charging current 1 – 20 A

Balancing current 200 mA – 1800 mA

Display 2.8 inches, 320 × 240 px, color

Dimensions 255 × 124.5 × 120 mm

Weight 2.43 kg

GPSR Link: https://psr-assets.innpro.pl/rc_models/sg_rc_models_charging.pdf, Gross weight: 3100,
Net weight: 2500, Box length: 31,50, Box width: 23,00, Box height: 18,00, PPWR:
<https://ppwr.innpro.pl/skyrc>