

# SkyRC D100neo charger



Model: SK-100199-01

Manufacturer: SKYRC

EAN: 6930460008084

Product Code: 1291453

## R2,450

### SkyRC D100neo Charger

The SkyRC D100neo Charger is equipped with 2 ports, allowing simultaneous charging with a power of 200W when using DC power supply. It supports various types of batteries, including LiPo, LiFe, Li-ion, LiHV, NiMH, and NiCd, and provides voltage balancing function with an accuracy of  $\pm 0.02V$ . The device's performance is also influenced by the high-resolution color display and user-friendly interface, ensuring ease of use. The product is also equipped with a USB-C port with 20W Power Delivery for fast charging. Advanced protective features ensure safe operation.

### Impressive Power in a Compact Form

Each of the D100neo ports supports a current of up to 10A, allowing for fast and efficient charging of 2 batteries simultaneously. Thanks to intelligent power management, the charger maintains stability and accuracy of charging even at full load, ensuring evenly charged cells and extending their lifespan. The device's output power is up to 200W (requires DC power supply), further increasing energy renewal efficiency. Despite impressive specifications, the product stands out with its compact design, being 40% smaller than standard chargers. It also features a color display with an impressive

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76,800 pixels, providing convenient access to essential information.

## **Optimal Power Management**

The SkyRC D100neo Charger combines efficient charging with up to 25W of power and advanced discharging with voltage balancing capability, ensuring optimal battery condition and longevity. The device automatically allocates power between the ports, maximizing the charging efficiency of individual batteries and providing fast charging when using both ports simultaneously. It also provides balancing accuracy up to  $\pm 0.02V$ , guaranteeing voltage optimization for each cell, crucial for extending their lifespan and maintaining full capacity.

## **Versatility**

The D100neo can operate in both AC and DC modes. When powered by AC, power is dynamically distributed between the ports up to a total of 100W, while with DC power supply, each port can reach a full 100W, significantly speeding up the charging process. When both ports are used simultaneously, the charger intelligently manages available power. After one port completes charging, the other receives increased power, maximizing the efficiency of the entire process. Additionally, the device can function as a digital power source with adjustable voltage and current, making it suitable not only for hobbyists but also for electronics enthusiasts and DIYers.

## **Fast Charging**

With the USB-C PD 3.0 port supporting up to 20W of power, RC model enthusiasts can enjoy significantly accelerated charging for their devices, such as smartphones, tablets, and 2020 MacBook Airs.

## **Safety and User-Friendliness**

Protection against overcharging and overloading ensures complete safety during charger operation. An innovative thermal system allows the Arm Cortex-M4 processor to operate at high loads without generating disturbing noise. The ColorX interface guarantees ease of use and allows settings adjustments in multiple languages. Additionally, firmware updates can be performed smoothly and effortlessly through USB-C, ensuring that the device is always up to date with the latest software. Another advantage is the universal input voltage (from 110V to 220V), allowing you to take the D100neo model on your travels.

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## Seamless Connection

The USB-C port allows for convenient connection of the D100neo charger to a PC or Mac. Using the Charger Master app, you can customize charging parameters, monitor battery status, and optimize performance. Furthermore, software updates are performed smoothly, making it easy to enhance your charger's capabilities.

|              |              |
|--------------|--------------|
| Manufacturer | SkyRC        |
| Model        | SK-100199-01 |

## SIZE AND WEIGHT

|               |                   |
|---------------|-------------------|
| Case Material | PC-ABS V0         |
| Case Size     | 116 x 110 x 79 mm |
| Weight        | 470 g             |

## DISPLAY

|                   |                  |
|-------------------|------------------|
| Display Type      | TN               |
| Size              | 2.8 inches       |
| Panel Active Area | 43.20 x 57.60 mm |
| Resolution        | 240x320 pixels   |
| Number of Colors  | 262,000          |

## POWER

|                   |                                                                        |
|-------------------|------------------------------------------------------------------------|
| DC Input Voltage  | 10-30V                                                                 |
| AC Input Voltage  | 100-240V                                                               |
| Charger Power     | AC: 100W MAX; DC: 200W MAX                                             |
| Discharge Power   | Main Port: 5W; Balance Port: 25W MAX (LiPo/6S)                         |
| 20W USB-C Power   | QC3.0: 5V□ 3A, 9V□ 2A, 12V□ 1.5A 18W; PD: 5V□ 3A, 9V□ 2.2A, 12V□ 1.67A |
| Delivery Charging | 20W                                                                    |

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## BATTERY

**Battery Types/Cells** LiPo/LiHV/LiFe/Lilon: 1-6 cells; NiMH/NiCd: 1-15 cells; Pb: 3S/6S/12S

## CHARGE AND

## DISCHARGE

**Charge Current** LiPo/LiFe/Lilon/LiHV/NiMH/NiCd/Pb: 0.2-10.0A

**Discharge Current** LiPo/LiFe/Lilon/LiHV/NiMH/NiCd/Pb: 0.1-2.0A

**Balance Current** LiPo/LiFe/Lilon/LiHV: 1.0A MAX

**Operation** LiPo/LiFe/Lilon/LiHV: Balance CHG, Charge, Storage, Discharge; NiMH/NiCd: Charge, Re-Peak, CYCLE\_C\_D, CYCLE\_D\_C, Discharge; Pb: Normal, AGM Charge, Cold Charge, Discharge

Net weight: 470, Box width: 12,00, Box length: 12,00, Box height: 10,50, Gross weight: 610, GPSR

Link: [https://psr-assets.innpro.pl/rc\\_models/sg\\_rc\\_models\\_charging.pdf](https://psr-assets.innpro.pl/rc_models/sg_rc_models_charging.pdf), Information about data

generation: <https://dataact.innpro.pl/skyrc/6930460008084>, PPWR: <https://ppwr.innpro.pl/skyrc>

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