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Link to the product:
https://www.skyrc.eu/skyrc-q500neo-acdc-four-port-smart-charger-1000w500w-25a-6s-lipolifeliionlihv-p-798.html



SkyRC Q500neo AC/DC Four Port Smart Charger 1000W/500W 25A 6S LiPo/LiFe/LiIon/LiHV

Price	**238.09 Euro**
Availability	**Available in stock**
Shipping time	**24 hours**
Producer code	**SK-100232**
EAN	**6930460009524**
Manufacturer	**SkyRC**

Product description

SkyRC Q500neo AC/DC Four Port Smart Charger 1000W/500W 25A 6S LiPo/LiFe/LiIon/LiHV

SkyRC Q500neo combines four independent charging outputs with high power and a compact design. Ideal for RC racing, FPV flying, and everyday battery maintenance. It delivers up to 1000W total charging power on DC input and up to 500W on AC input.

Four ports allow different battery packs to be charged simultaneously. Ports A and D, as well as B and C, operate independently, reducing downtime between runs and flights. Up to 1.5A balancing current and a stated voltage measurement accuracy of ±0.01V support precise battery monitoring.

Dual AC/DC Input – Flexible for Every Setup

The charger supports both AC mains power and an external DC source, making it suitable for the workshop, home, or field use. Switching between power sources lets you adapt to any setup.

25A per Port. Fast, Stable.

Each channel supports charging current up to 25A, allowing use with higher-capacity battery packs. High-performance electronics provide precise charging control even under heavy load.

Outsized Performance

A 32-bit Arm Cortex-M33 core controls charging, delivering fast response, accurate parameter regulation, and stable operation even at high power. HyperBoost technology uses a fast microcontroller and precise current sampling and regulation.

Do More With One Charger! Multiple Chemistries Go.

Q500neo supports various battery chemistries, including LiPo, LiFe, Li-ion, LiHV, Pb, NiMH, and NiCd. One charger can therefore serve many RC models and battery packs without the need for separate devices.

1000W Charging Power

With DC input, Q500neo provides up to 1000W total charging power. This performance helps prepare packs quickly for the next run or flight. Actual power depends on the input source, number of active channels, and battery parameters.

PD 3.0 @ 100W Power Anywhere. Anytime.

The USB-C port supports PD 3.0 with up to 100W output, powering and charging additional devices such as smartphones, tablets, laptops, and electronic accessories. Q500neo can also serve as a versatile power source.

Reverse Discharge Power on the Go. Smarter. Greener.

Reverse Discharge transfers energy from one battery to another instead of dissipating it as heat. Available between ports A and B, it enables energy transfer at up to 500W, providing a practical way to manage battery energy in the field.

Master On Your Phone. OTA Ready. Always Up to Date.

The dedicated mobile app lets you control the charger, view real-time data, and monitor charging curves, capacity, voltage, and power. OTA updates deliver new features and firmware improvements.

Smart Cooling. Stay Cool.

The built-in fan adjusts its speed to the load, helping dissipate heat and maintain stable operation even during intensive charging. The cooling system is designed for efficiency and reliability.

ColorX Interface and Easy Operation

The color display presents operating parameters clearly, while the intuitive menu makes charging setup easy. The folding screen can be tilted up to 90°. The manufacturer also reports 10,000 folding-cycle durability tests. An aluminum scroll wheel makes operation easier.

Package Includes:

1. SkyRC Q500neo charger
2. AC power cable
3. User manual

Specifications:

Dimensions and weight
Dimensions: 146 x 123 x 88 mm
Weight: approx. 1206 g
Display
Display type: TN
Size: 2,8 inch
Active display area: 43,20 x 57,60 mm
Resolution: 240 x 320 pixels
Number of colors: 262 thousand
Power supply
AC: 100 V–240 V (50/60 Hz)
DC input: 9–36 V
Charging power:
AC: 500 W
DC: 1000 W

Discharging power:
Main port: 10 W
Balancer port: max. 24 W
Battery types / cell count:
LiPo/LiFe/Li-ion/LiHV: 1–6S
NiMH/NiCd: 1–15S
Pb: 3S/6S/12S
Charging and discharging
Charging current
LiPo/LiFe/Li-ion/LiHV: Port A/D:
0,1 A – 0,5 A (±0,1 A) 0,6 A – 15 A (±10%) Port B/C: 0,1 A – 0,5 A (±0,1 A)
0,6 A – 25 A (±10%)
NiMH/NiCd: 0,1 A – 0,5 A (±0,1 A) | 0,6 A – 10 A (±10%)
Pb: 0,1 A – 0,5 A (±0,1 A) | 0,6 A – 15 A (±10%)
Discharging current
LiPo/LiFe/Li-ion/LiHV/NiMH/NiCd/Pb: 0,1 A – 2,0 A
Operating and storage conditions
Operating temperature: 0°C–40°C
Operating humidity: 5% ~ 75% relative humidity (non-condensing)
Storage temperature: -10℃ ~ 70℃
Storage humidity: 5% ~ 75% relative humidity (non-condensing)