InLine 31509A mobile device charger Universal Black AC Fast charging Indoor

Model: 31509A

Manufacturer: INLINE

EAN: 4043718353583

Product Code: 1557993

R1,243

Optimised charging efficiency with AVS and intelligent voltage regulation

Optimised charging performance:AVS (Adjustable Voltage Supply), PPS and Power Delivery enable precise adjustment of voltage and power to compatible devices, thereby supporting an efficient charging process.

High charging power: With up to 100 W of output power, the USB-C power supply is suitable for charging and powering high-performance compatible devices via a single USB-C port.

Compact GaN technology: Modern GaN technology enables a space-saving design with high power

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density and is suitable for both mobile and stationary use.

Comprehensive protection features: Overvoltage, short-circuit and temperature protection enhance operational safety. In the event of overheating, the power supply switches off automatically and resumes charging once it has cooled down.

Flexible power supply: Support for multiple Power Delivery profiles, as well as PPS and AVS operating modes, enables a demand-driven power supply for compatible USB-C devices.

The InLine® USB-C power supply combines modern GaN technology with high-performance charging methods to provide an efficient power supply for compatible USB devices. With a maximum output power of 100 W, it is suitable for numerous applications requiring high charging power via USB-C. Thanks to support for USB Power Delivery, PPS (Programmable Power Supply) and AVS (Adjustable Voltage Supply), the output power can be dynamically adapted to the requirements of compatible devices. The intelligent voltage regulation supports optimised charging efficiency and enables a demand-driven power supply.

The compact design is made possible by the use of GaN technology. This allows for high power density to be achieved within a space-saving housing. The power supply is suitable for use at the workplace, whilst on the move, or wherever a high-performance USB-C power supply is required.

To ensure reliable operation, the power supply features built-in protection mechanisms against overvoltage and short circuits. In addition, temperature monitoring protects the device from overheating. If a critical temperature is reached, the power supply switches off automatically and resumes charging on its own once it has cooled down sufficiently.

Input voltage: 200–240 VAC, 1.5 A

Input AC frequency: 50/60 Hz

Output voltage/output current/output power: 5.0 VDC / 3.0 A / 15.0 W – 9.0 VDC / 3.0 A / 27.0 W - 12.0 VDC / 3.0 A / 36.0 W - 15.0 VDC / 3.0 A / 45.0 W - 20.0 VDC / 5.0 A / 100.0 W

PPS: 5.0–20.0 V / 5.0 A / 25.0–100.0 W

AVS: 9.0–15.0 V / 3.0 A / 27.0–45.0 W – 15.0–20.0 V / 5.0 A / 75.0–100.0 W

Average operating efficiency: 86.10%

Efficiency at low load (10%): 83.06%

Power consumption at no load: 0.037 W

Total output power: max. 100.0 W

Overvoltage and short-circuit protection

If the power supply overheats, it switches off automatically and resumes charging automatically

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once it has cooled down

Dimensions: approx. 36 x 36 x 73 mm (W x H x D)

Weight: approx. 83 g

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