Building Biology Products
and services

Universal USB-Charger



USB Chargers & Power Adapters

Universal USB-Charger

Technical data

Colour:	black
Input voltage:	100–240 V~, 1,5 A, 50–60 Hz
Dimensions:	see the diagram
Ports:	2 × USB-C + 1 × USB-A
Included Cable:	Shielded USB-C to USB-C cable
Total output power:	65 W (maximum)
USB-C (PD, PPS) output:	5 V / 3 A / 15 W 9 V / 3 A / 27 W 12 V / 3A / 36 W 15 V / 3 A / 45 W 20 V / 3,25 A / 65 W
USB-A (QC, SCP) output:	4,5 V / 5 A / 22,5 W, 5 V / 4,5 A / 22,5 W 3,6 - 6 V / 3 A / 18 W 6 – 9 V / 2 A / 18 W 9 – 12 V / 1,5 A / 18 W
PPS (USB-C): (Continuously adjustable fast charging)	3,3 – 11 V / 5 A / 55 W 3,3 – 16 V / 3,8 A / 60,8 W 3,3 – 20 V / 3 A / 60 W
Weight:	171,5 g

Package including

Universal USB wall charger/power adapter, Shielded USB-C to USB-C cable, User manual



- This high-quality, fast-charging, grounded universal USB GaN charger is ideal for charging smartphones, tablets, notebooks and other USB-powered devices. Combining state-of-the-art GaN charging technology with an integrated protective earth connection and a shielded USB-C cable, it is the perfect solution for all your charging needs.

  One of the key advantages of the wall charger is its integrated grounding function. As soon as the supplied shielded USB-C cable is connected, it grounds smartphones, tablets, notebooks and other compatible devices, regardless of whether the battery is being charged. For this to work, the charger must be connected to a properly grounded mains outlet. Consequently, low-frequency electric alternating fields on the connected device are significantly reduced.

  Thanks to its integrated GaN (gallium nitride) technology, the charger delivers high charging performance in a compact design with low heat generation. With a maximum output power of 65 W, the charger supports the latest fast-charging standards, including USB Power Delivery (PD), Programmable Power Supply (PPS), Quick Charge (QC) and SuperCharge Protocol (SCP). This allows a wide range of smartphones, tablets and USB-C notebooks to be charged quickly and efficiently. The charger automatically detects the fast-charging protocol supported by the connected device, providing the optimal charging power without any user intervention.

  Typical applications for grounded USB chargers:
  Electronic devices such as smartphones, tablets and notebooks generate low-frequency alternating electric fields. The Wicaya wall charger's integrated protective earth connection and the supplied shielded USB-C cable significantly reduce these fields whenever the cable is connected to the device, regardless of whether the battery is charging.

  For this function to work, the charger must be connected to a properly grounded mains outlet or power strip.

- Supplied with a shielded USB-C to USB-C cable.
- It reduces the low-frequency alternating electric fields on the connected device. Compact, high-quality housing.
- Two USB-C and one USB-A port, with a total output power of up to 65 W. LED Status Indicator.
- Advanced GaN technology ensures high efficiency and low heat generation.

Order-No.: 317
Short-Desc.: USB-Charger

Note:

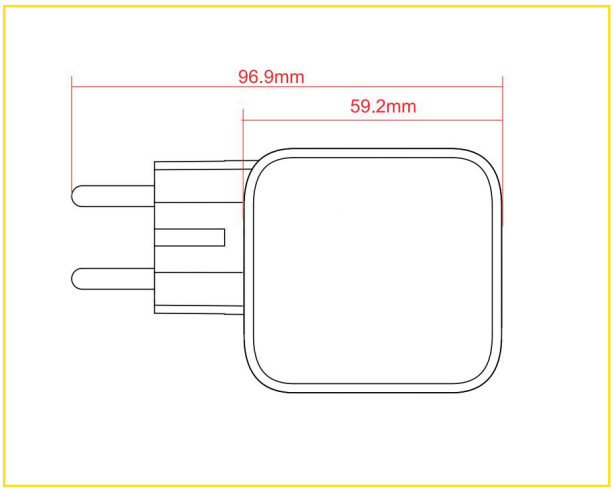
- Only operate from a properly installed, grounded mains outlet with a functioning protective earth conductor.
- The shielding function only works when an effective protective grounding connection is available.
- To ensure optimum shielding performance, only use the supplied shielded USB cable or an equivalent.
- Do not use the charger or cable if either is damaged.
- Do not use this product in damp or wet environments.
- Do not open or modify the device.

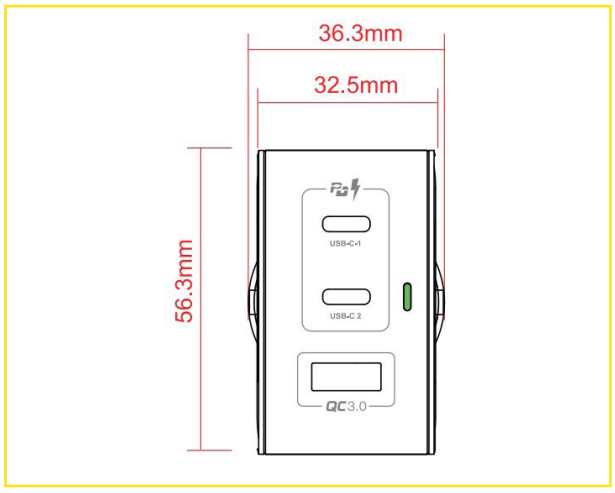
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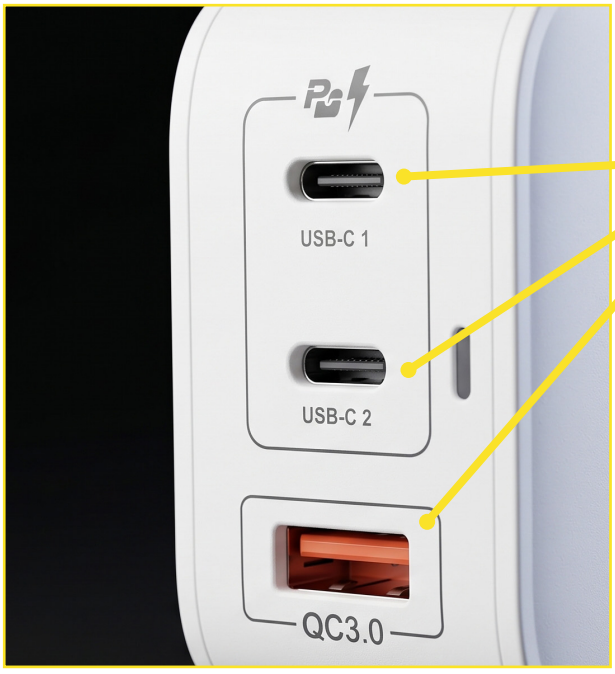




USB Chargers & Power Adapters

Universal USB-Charger - Reduction of low-frequency electric fields

Electric field, approx. 10 cm distance / ME3030B / V/m	Unshielded 65 W Charger	Unshielded 120W Charger	Charger grounded Wicaya
Power adapter measurement without charging – initial	**160,0 V/m**	**194,0 V/m**	**60,0 V/m**
Charger measurement without charging (10 s)	**50,0 V/m**	**105,0 V/m**	**40,0 V/m**
Measurement at the charger while charging	**160,0 V/m**	**194,0 V/m**	**60,0 V/m**
Measurement of smartphones without charging	**6,0 V/m**	**6,0 V/m**	**0,0 V/m**
Measurement of smartphones with charging	**608,0 V/m**	**512,0 V/m**	**0,0 V/m**



Output power by port configuration

Universal USB-Charger

Port	A	B	C	D	E	F	G
USB-C-1	65 W	X	X	45 W	45 W	45 W	X
USB-C-2	X	65 W	X	18 W	X	12 W	12 W
USB-A (QC 3,0)	X	X	22,5 W	X	22,5 W	12 W	12 W

unbelegte / freie Ports belegte / angschlossene Ports

Charging Protocols:

- **PD (Power Delivery)**
  Apple, Google, Dell, Lenovo, and many notebooks, smartphones, and other USB-C devices.
- **PPS (Programmable Power Supply)**
  Samsung Galaxy, Google Pixel, and many modern Android devices.
- **QC (Quick Charge)**
  Many Android smartphones.
- **SCP (SuperCharge Protocol)**
  Huawei and Honor devices (primarily older models).

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