

Axagon ACU-PQ100 GaN wall charger 100W, USB-C + USB-A, for laptops and phones

Model: ACU-PQ100

Manufacturer: AXAGON

EAN: 8595247910424

Product Code: 1684272

R1,151

Miniature 100W GaN charger for laptops and phones

100W laptop adapter power in a palm-sized body. The AXAGON ACU-PQ100 GaN charger is exceptionally small and lightweight, so instead of carrying a large adapter, you can carry just one small charger in your backpack. Via the USB-C output, it charges laptops, phones, and tablets with power of up to 100W, while the USB-A output with up to 18W allows connecting additional devices like watches, headphones, or a second phone. GaN technology combines high power with a miniature design, and support for USB Power Delivery 3.0 with PPS and Quick Charge 4+ ensures fast charging of laptops, iPhones, Samsung Galaxy phones, Google Pixel, and other devices. One

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small charger can thus replace multiple adapters at home, at work, and on the go.

GaN technology for high power in a compact size

The exceptionally small size and weight are achieved thanks to third-generation GaN technology (gallium nitride). GaN components allow higher efficiency and lower energy losses compared to conventional silicon solutions, enabling a much smaller charger design. Efficiency reaches up to 95.5 %, which helps limit heating even under heavy load. This is important especially in such a small body that can deliver power of up to 100W. With dimensions of only 86 × 36 × 36 mm and a weight of 85 g, the charger is designed for daily carrying in a backpack, bag, or carry-on luggage. The input voltage 200-240 V / 50-60 Hz matches electric grids throughout Europe.

Fast charging of laptops, phones, and tablets

The charger supports a wide range of fast charging technologies including USB Power Delivery 3.0 with PPS, Quick Charge 4+, and Samsung Super Fast Charging 2.0. Via USB-C, it can charge compatible laptops with power up to 100W, Samsung Galaxy phones up to 45W, Google Pixel up to 45W, and also supports fast charging of Apple iPhone. It is also compatible with phones and tablets from brands like Motorola, Xiaomi, Honor, Oppo, OnePlus, Realme, and others. Specific supported models, charging technologies, and maximum power outputs are listed in the compatibility overview below.

Continuous 100W power even under long-term load

The charger’s maximum power is not just a short-term value. The USB-C output can provide up to 100W under continuous load without gradual power reduction. Ideal for all-day work when you need to simultaneously use and charge the device. Stable power output is also beneficial when charging a laptop with a nearly depleted battery or during intensive tasks when the device draws more power.

Safe charging and protection in abnormal conditions

The connected device and the charger automatically negotiate the appropriate voltage, current and power, so the same charger can safely charge a laptop, phone, watch, or headphones. If the charger enters non-standard or extreme operating conditions, the corresponding protection function

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activates. The charger is protected against overcurrent (OCP), overvoltage (OVP), overheating (OTP), and output short circuit (OSP). If safe operating limits are exceeded, the system limits or cuts off the output to protect both the charger and the connected device.

Fast charging protocols:

• USB Power Delivery: PD 2.0, PD 3.0

• PPS: Programmable Power Supply

• Qualcomm Quick Charge: QC 2.0, QC 3.0, QC4+

• Samsung: Adaptive Fast Charging, Super Fast Charging, Super Fast Charging 2.0

• Honor: Fast Charge Protocol (FCP), SuperCharge Protocol (SCP)

• SMART: Quick Charge 1.0, USB Battery Charging 1.2, Apple 2.4A

Compatibility with phones and tablets:

• Apple: iPhone 5, 6, SE (1st generation), 7 - standard charging 5V

• Apple: iPhone 8, 8 Plus, X, XS, XS Max, XR, 11, 11 Pro, 11 Pro Max, SE (2nd generation) - Power Delivery up to 18W

• Apple: iPhone 12, 12 mini, 12 Pro, 12 Pro Max, 13, 13 mini, 14, 14 Plus, 15, 15 Plus, 16 Plus, 17e, iPhone Air, SE (3rd generation) - Power Delivery up to 20W

• Apple: iPhone 16e, 16, 16 Pro - Power Delivery up to 24W

• Apple: iPhone 13 Pro, 13 Pro Max, 14 Pro, 14 Pro Max, 15 Pro, 15 Pro Max - Power Delivery up to 27W

• Apple: iPhone 16 Pro Max - Power Delivery up to 30W

• Apple: iPhone 17, 17 Pro, 17 Pro Max - Power Delivery up to 36W

• Apple: iPhone 18 Pro, 18 Pro Max, iPhone Duo - Power Delivery up to 40W

• Apple: iPad mini, iPad Air, iPad Pro - Power Delivery

• Samsung: Galaxy S20, S20+, S21, S21+, S22, S23, S24, S25, S25 Edge, S26, Note 10, Note 20, Z Fold 2, 3, 4, 5, 6, 7, Z Flip 3, 4, 5, 6, 7, 8 - Samsung Super Fast Charging up to 25W

• Samsung: Galaxy S20 Ultra, S22+, S22 Ultra, S23+, S23 Ultra, S24+, S24 Ultra, S25+, S25 Ultra, S26+, S26 Ultra, Z Fold 8, Z Fold 8 Ultra, Tab S7+, Tab S8+, Tab S9+, Tab S10+, Tab S11, Tab S8 Ultra, Tab S9 Ultra, Tab S10 Ultra, Tab S11 Ultra - Samsung Super Fast Charging 2.0 up to 45W

• Samsung: other compatible phones and tablets - Adaptive Fast Charging

• Google: Pixel 10, Pixel 10 Pro - PPS up to 27W

• Google: Pixel 11, Pixel 11 Pro - PPS up to 30W

• Google: Pixel 10 Pro XL - PPS up to 40W

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• Google: Pixel 11 Pro XL - PPS up to 45W
• Honor: compatible phones and tablets - Fast Charge Protocol (FCP)
• Honor: compatible phones and tablets - SuperCharge Protocol (SCP) up to 23W
• Xiaomi / Redmi / POCO: compatible phones and tablets - fast charging up to 30W
• Oppo / Vivo / OnePlus / Realme: compatible phones and tablets - fast charging
• Motorola: compatible phones and tablets - fast charging

Compatibility with laptops:
• Apple: MacBook Air, MacBook Pro - Power Delivery up to 100W
• Lenovo: compatible laptops with USB Power Delivery - Power Delivery up to 100W
• HP: compatible laptops with USB Power Delivery - Power Delivery up to 100W
• Dell: compatible laptops with USB Power Delivery - Power Delivery up to 100W
• Acer: compatible laptops with USB Power Delivery - Power Delivery up to 100W
• ASUS: compatible laptops with USB Power Delivery - Power Delivery up to 100W

Input:
• AC input voltage 200–240V / 2A / 50–60 Hz
• two-pin Euro plug – integrated into charger body

Outputs:
• USB-A port QC (phones) max. 18 W: 5V/3A, 9V/2A, 12V/1.5A
• Charging technologies: QC 3.0, QC 2.0, AFC, SCP, FCP, SMART, Apple 2.4A

• USB-C port PD (laptops, phones) max. 100 W: 5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/5A, PPS: 5–11V/5A
• Charging technologies: PD3.0, PD2.0, PPS, QC4+, QC 3.0, QC 2.0, SFC2.0, SFC, AFC, SCP, FCP, SMART, Apple PD

Maximum charger output when using multiple ports:
Two devices connected simultaneously
• USB-C port PD = 65 W MAX
• USB-A port QC = 12 W MAX
Note: When charging multiple devices simultaneously, the devices automatically divide the required power. The assigned power may vary during charging.

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Energy efficiency:

• Maximum efficiency: up to 95.5 %

• Average efficiency in active mode: 86.36 %

• Efficiency at low load (10 %): 80.48 %

• No-load power consumption: 0.10 W

The charger supports AIC, CC functions:

• Automatic Intelligent Communication – function automatically recognizes the connected device to select optimal charging parameters.

• Constant Output Current – function maintaining constant current prevents fluctuations in output power, ensuring stable charging.

Comprehensive output protection: OCP, OVP, OTP, OSP:

• Over Current Protection. Protection against output overcurrent.

• Over Voltage Protection. Protection against output overvoltage.

• Over Temperature Protection. Protection against adapter overheating.

• Output Short Circuit Protection. Protection against output short circuit.

Other features:

• charger body dimensions 86 × 36 × 36 mm including plug,

• weight: 85 g,

• material: flame-retardant plastic.

Package contents:

• black wall charger,

• multilingual manual CZ / DE / DK / ENG / ESP / EST / FIN / FR / GR / HR / HU / IT / LT / LV / NL / NOR / PL / PT / RO / SK / SLO / SRB / SWE / TR / UA / ALB / BG / BOS / CN / ARA,

• packed in a cardboard box with a hanging hole.

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