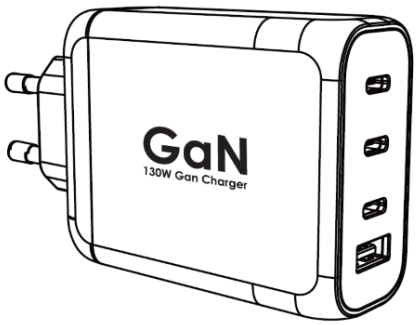
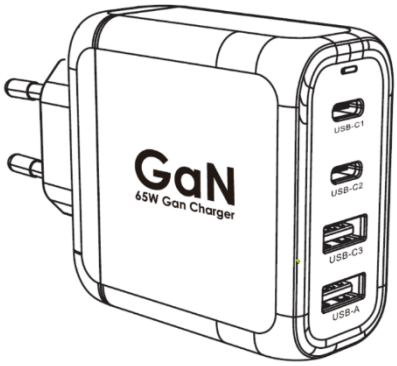
Quick guide to the most important functions

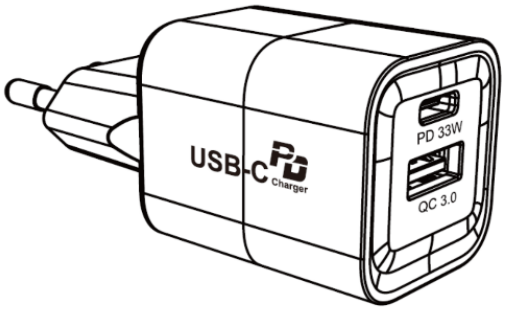
ProductNo.: 211318, 211317, 211316, 211315, 212154, 239677, 239673

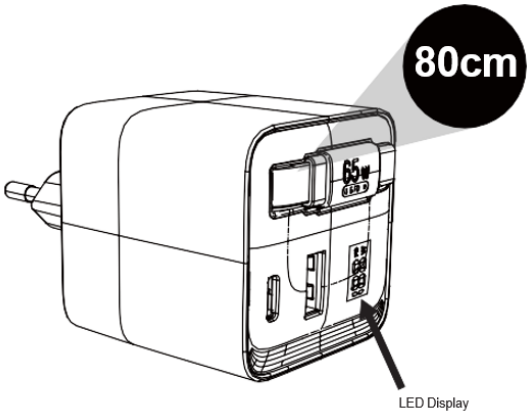
ALLNET GaN USB chargers

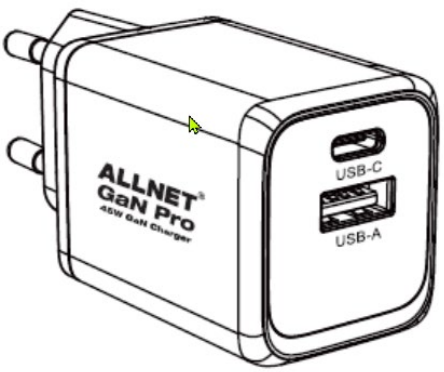
High-performance power supply units with PD&QC®











Package contents

Please check the contents of the packaging before proceeding with the commissioning of the display.

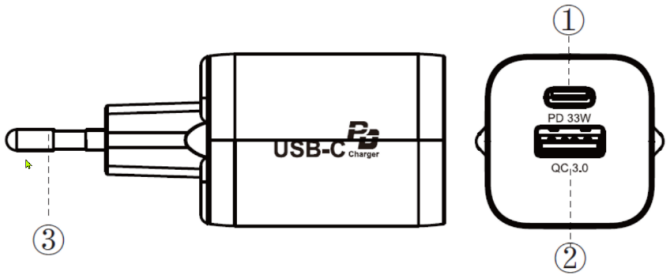
- ALLNET
- Printed quick guide

Contents

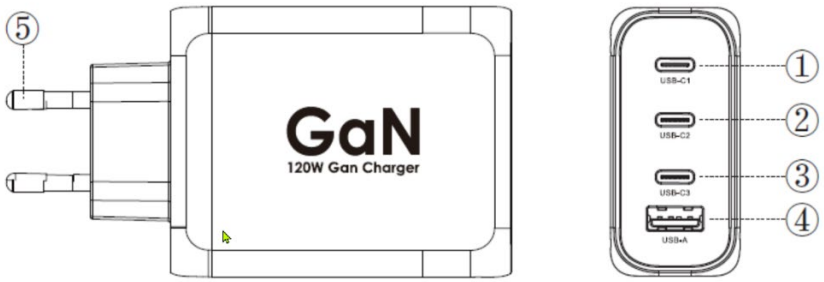
General technical information:

- Input voltage: AC 100-240V 50/60Hz
- Output short-circuit protection: in the event of a short-circuit protection situation, our item will stop charging to protect the devices
- Overvoltage protection: Protection system is started
- Material plastic housing: PC+ ABS + fireproof material
- Operating temperature: 0 ~ 40 °C
  Operating humidity: 10% ~ 90% (non-condensing)
  Storage temperature: 0 ~ 80 °C
  Storage humidity: 10% ~ 90% (non-condensing)
- Labelling: Ce/RoHS

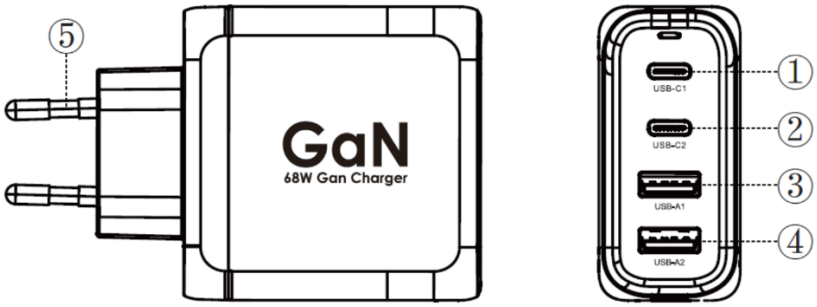
Individual technical information:



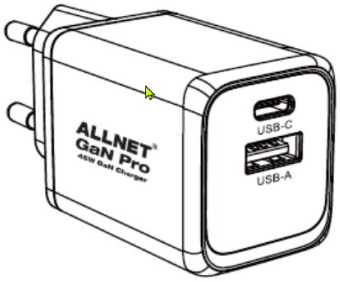
2 port charger: max. power 33W SKU: PSU-GaNPD-USB-1A1C-33W Article: 211318	**Input voltage:** AC 100-240V 50/60Hz 0.8A	**① USB-C PD output:** 5Vdc/3A 9Vdc/3A, 12Vdc/2.5A 15Vdc/2A 20Vdc/1.5A	**② USB-A output:** 3.6-6.5Vdc/3A 6.5-9Vdc/2A 9-12Vdc/1.5A



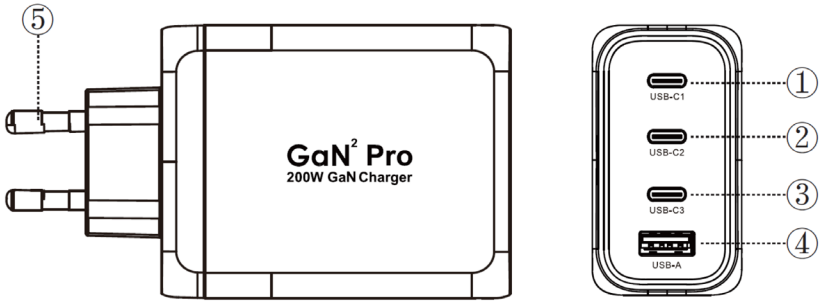
4 port charger: max. power 130Watt SKU: PSU-GaNPD-USB-1A3C-130W Article: 211315	**Input voltage:** AC 100-240V 50/60Hz 1.8A	**① USB-C1 Output:** 3.3-21V/5A 5V/3A 9V/3A 12V/3A 15V/3A 20V/5A(100W) **②USB-C2 Output:** 3.3-21V/5A 5V/3A 9V/3A 12V/3A 15V/3A 20V/5A(100W) **③USB-C3 Output:** 3.3-11V/3A 5V/3A 9V/3A 12V/2.5A 15V/2A 20V/1.5A(30W)	**④ USB-A output:** 4.5V/5A 5V/4.5A 5V/3A 9V/3A, 12V/2.5A 20V/1.5A(30W)



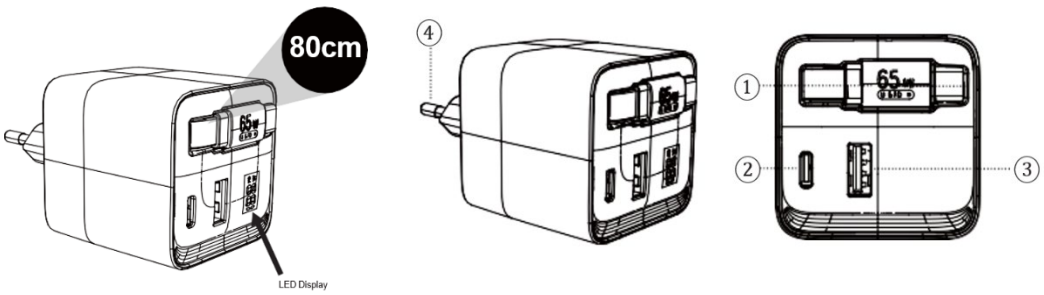
4 port charger: max. power 68 watts SKU: PSU-GaNPD-USB-2A2C-68W Article: 211317	**Input voltage:** AC 100-240V 50/60Hz 1.5A	**① USB-C1 Output:** 3.3V-11V/4A 5V/3A 9V/3A 12V/3A 15V/3A 20V/3.25A (65W Max) **②USB-C2 Output:** USB-C2 Output: USB-C1 Output: 3.3V-11V/4A 5V/3A 9V/3A 12V/3A 15V/3A 20V/3.25A (65W Max	**③ USB-A1 Output:** 4.5V/5A 5V/4.5A 5V/3A 9V/3A 12V/2.5A 20V/1.5A (30W Max) **④ USB-A output:** 4.5V/5A 5V/4.5A 5V/3A 9V/3A, 12V/2.5A 20V/1.5A(30W)



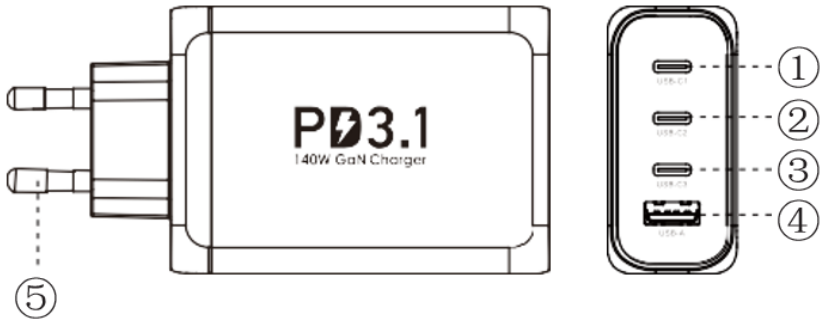
2 port charger: max. power 45W SKU: PSU-GaNPD-USB-1A1C-45W Article: 212154	**Input voltage:** AC 100-240V 50/60Hz 1.5A	**① USB-C PD output:** 5Vdc/3A 9Vdc/3A, 12Vdc/3A 15Vdc/3A 20Vdc/2.25A PPS Output: 3.3V-11V/4.05A	**② USB-A output:** 3.6-6.5Vdc/3A 6.5-9Vdc/2A 9-12Vdc/1.5A



4 port charger Power 200W SKU: PSU-GaNPD-USB-1A3C-200W Article: 211316	**Input voltage:** AC 100-240V 50/60Hz 2.5A	**① USB-C1** **Output:** 3.3-21V/5A 5V/3A 9V/3A 12V/3A 15V/3A 20V/5A(100W) **②USB-C2** **Output:** 3.3-21V/5A 5V/3A 9V/3A 12V/3A 15V/3A 20V/5A(100W) **③USB-C3** **Output:** 3.3-11V/3A 5V/3A 9V/3A 12V/2.5A 15V/2A 20V/1.5A(30W)	**④ USB-A output:** 4.5V/5A 5V/4.5A 5V/3A 9V/3A, 12V/2.5A 20V/1.5A(30W)



3 port charger Power 65W SKU: PSU-GaNPD-USB-1A2C-65W Article: 239677	**Input voltage:** AC 100-240V 50/60Hz 2.5A	**① USB-C1** **Output:** 5V/3A 9V/3A 12V/3A 15V/3A 20V/3.25(65W) **②USB-C2** **Output:**	12V/3A 15V/3A 20V/3.25A (65W) **③USB-A Output:** 5V/3A 9V/3A 12V/2.5A 20V/3A (60W)

		3.3-21V/5A 5V/3A 9V/3A	
			
4 port charger Power 200W SKU: PSU-GaNPD-USB-1A3C-140W Article: 239673	**Input voltage:** AC 100-240V 50/60Hz 2.5A	**① USB-C1 Output:** 3.3-21V/5A 5V/3A 9V/3A 12V/3A 15V/3A 20V/5A 28V/5A (140W) **②USB-C2 Output:** 3.3-21V/5A 5V/3A 9V/3A 12V/3A 15V/3A 20V/5A 28V/5A (140W) **③USB-C3 Output:** 3.3-11V/3A 5V/3A 9V/3A 12V/2.5A 15V/2A 20V/3.25A(65W)	**④ USB-A output:** 4.5V/5A 5V/4.5A 5V/3A 9V/3A, 12V/2.5A 20V/1.5A(30W)

Safety Instructions

Please be sure to observe the following instructions:

General notes

- Only use the device for the purpose it was designed.
- Only use the device as described in the Quick Start Guide or manual.
- Any other use is considered improper and may result in property damage.
- Neither ALLNET® nor the dealer accepts liability for damage caused by improper or incorrect use.
- All safety instructions must be read through.
- The manual should be kept for future reference.

Mounting instructions

- NEVER place the device near radiators, air conditioners or water sources. This greatly increases the risk of electric shocks, short circuits or fire.
- The humidity should be between 20% and 80%, otherwise condensation may occur.
- Protect the device from direct sunlight, extreme heat, open fire and dust. Otherwise, the risk of electric shocks, short circuits or fire increases.
- Never place the device on surfaces that are sensitive to heat.
- Do not use the device in damp rooms and under no circumstances in potentially explosive areas.
- The device is designed for use in enclosed spaces.

Operating notes

- Operate the device only with the voltage indicated on the device or on the included power supply unit.
- Any batteries present are only to be replaced with the same or an equivalent type.
- Do not use obviously defective devices. If the unit does not operate normally – especially if unusual odors or noises occur – unplug the power cord from the socket immediately.
- Never expose the device to direct sunlight during operation.
- Never operate the device near sources of heat.
- Protect the device from moisture, dust, liquids and vapors.
- Never open the device.
- Work on the device may only be carried out when the device has been disconnected from its power source.
- The device may only be operated by persons who have read the instructions or have been instructed in its operation by a competent person.

Instructions for repair and maintenance.

- Repairs may only be carried out by trained, authorized personnel.
- Regular maintenance is not necessary.
- Never open the device.
- For cleaning work, disconnect the device from its power source.
- Do not use any cleaning agents containing solvents for cleaning, but only a soft, dry antistatic cloth.
- It is forbidden to make any modifications to the unit.
- Damaged devices or damaged components may no longer be used.

Intended use:

The power supply unit is suitable for both commercial and private use. The highly efficient power supply units are suitable for charging mobile devices that support the latest PD and QC® standards.

This appliance complies with CE regulations.

Introduction

Flexible USB QuickCharge® PD power supply units from ALLNET

The ALLNET USB power supply units are characterised by a high degree of flexibility. You can charge almost all types of mobile devices with these power supply units. The standard USB-A port works with APPLE and other mobile devices that do not support QC. The orange port supports QC and PD and can adapt to the required voltage. The highest power can be provided via the USB-C port and offers up to 20V/5A or 100 watts depending on the model. This means that even the latest laptops can be charged very quickly.

Explanation PD and QC 3.0

The term **USB Power Delivery (USB-PD)** stands for a handshake protocol in which either the electronically labelled cables (integrated chip) or the devices negotiate the required power demand. The power supply unit therefore offers the end device a choice and it selects one of these. Only then does the power supply switch the required voltage and current to the corresponding pins. In principle, sources may also supply values other than those specified in the USB PD specification. But only a maximum of 5 amps at 20 volts, i.e. a maximum of 100 watts.

Quick Charge is a technology for fast charging, e.g. for smartphones, developed by the chip manufacturer Qualcomm. Thanks to its high voltage, Quick Charge technology makes it possible to achieve higher charging speeds than a conventional charger.

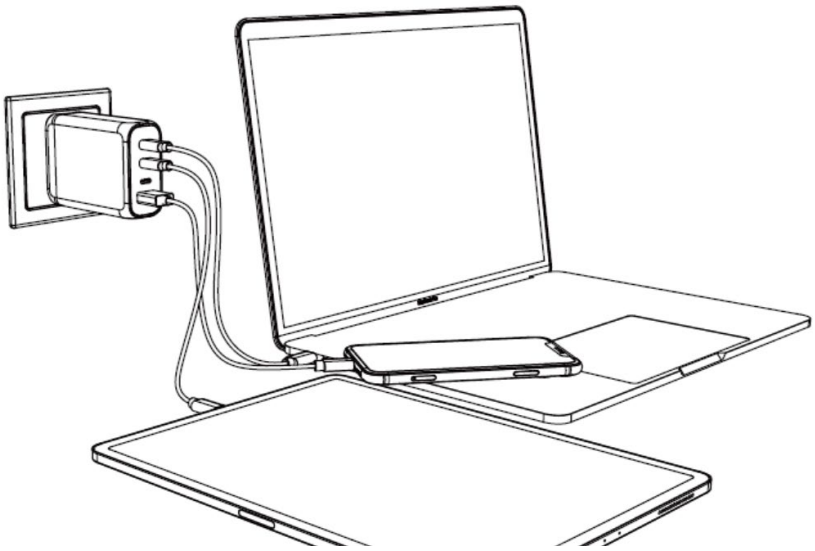
In general, it is important to use certified and good active cables with a PD chip. These can be found in the accessories for the power supply units.

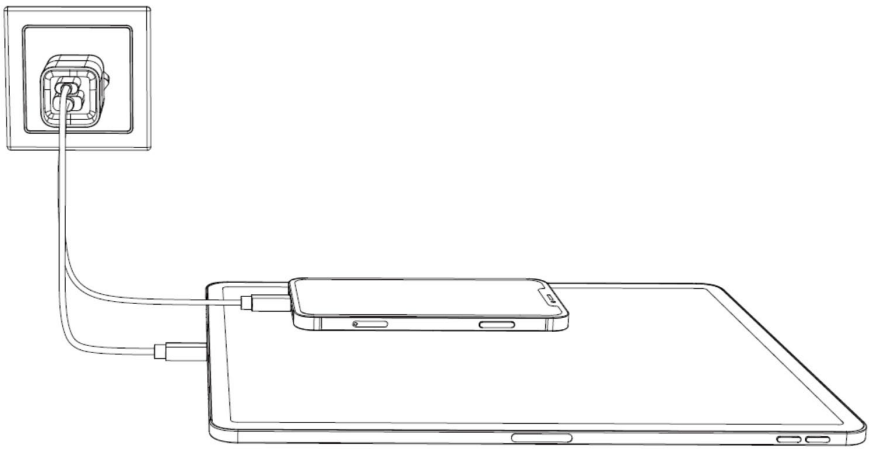
1. Elegant, durable, heat-resistant.
2. Overload, overvoltage, overcurrent and short-circuit protection.
3. Compact and stylish design
4. Guaranteed safety: High-quality materials and built-in fail-safes protect you and your device from short circuits.

Please note:

The USB ports provide different supply voltages depending on the connected devices. The total maximum power budget is divided up. This distribution can be found in the manual and on the device itself.

Installation example:





As shown above, connection to AC 100-240V socket with EU plug.

When not in use, the power consumption is around <300mW.

In case of problems/ FAQ

- Please check your cables
- Please check if all ports are not working
- Please check the appliance at a different socket
- Never open a non-functional device

Notes on the disposal of old appliances:

The appliances are aimed at end customers (B2C) and are labelled for this purpose in accordance with the ElektroG3 law.

After use, you can either send the old appliances back to us or return them free of charge to retailers and municipal or public return centres. Please note that the return in sales outlets is limited to the usual quantities of normal use. ALLNET Computersysteme GmbH offers you free disposal.

If you wish to return a defective device, you can do so at the following address or send it to us:

ALLNET Logistics Wunsiedel
Luisenburgstr. 24
95632 Wunsiedel

Intended use:

The power supply unit is suitable for both commercial and private use. The highly efficient power supply units are suitable for charging mobile devices that support the latest PD and QC® standards.

CE Declaration of Conformity

For the following equipment:

Germering, 18th of July, 2022

ALLNET USB GaN

PSU-GaNPD-USB-1A1C-33W, PSU-GaNPD-USB-1A2C-65W, PSU-GaNPD-USB-2A2C-68W, PSU-GaNPD-USB-1A3C-130W, PSU-GaNPD-USB-1A3C-200W, PSU-GaNPD-USB-1A1C-45W, PSU-GaNPD-USB-1A3C-140W

The safety advice in the documentation accompanying the products shall be obeyed. The conformity to the above directive is indicated by the CE sign on the device.

The **ALLNET GaN power supplies** conforms to the Council Directives of 2014/30/EU.

This equipment meets the following conformance standards

EMC 2014/30/EU
LVD 2014/35/EU
RoHS 2011/65/EU
EN 55032:2015/AC:2016
EN 55035:2017
EN IEC 61000-3-2:2019
EN 61000-3-3:2013+A1:2019
EN 62368-1:2014+A11:2017

This equipment is intended to be operated in all countries.

This declaration is made by

ALLNET GmbH Computer Systems
Maistraße 2
82110 Germering
Germany
Germering, 18/07/2022

Wolfgang Marcus Bauer
CEO

Hereby, ALLNET GmbH Computersysteme declares that the **ALLNET GaN Chargers** is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC or 2014/53/EU. The Declaration of Conformity can be found at the following address: http://ce.allnet.de

EU contact:

ALLNET GmbH Computer Systems
Maistrasse 2
82110

Phone +49 (0)89 894 222 - 22
Fax +49 (0)89 894 222 - 33
Email: info@allnet.de

CE Marking is the symbol as shown above. The letters “CE” are the abbreviation of the French phrase “Conformity European” which literally means “European Conformity”. The terms initial use was as the “EC Mark”. With the Directive 93/68/EEC from 1993 it was officially replaced by the “CE Marking”. Nowadays the “CE Marking” is used in all EU official documents.

NOTE

DE13101093

This symbol on the product or on its packaging indicate that this product is not to be disposed with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of electrical waste or electronic equipment. The separate collection and recycling of your waste equipment will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and environment. For more information about where you can dispose your waste equipment, please contact your local city office, your household disposal service or the shop where you purchased the product.

This recycle logo indicates that this product can be recycled, not that the product has been recycled. It is possible that this device will not be accepted in all recycling collection systems.

The recycling codes are used to guarantee the correct handling of waste. It is an internationally recognized classification that assigns a unique number to each waste material. This number provides information on how the waste material can best be recycled to ensure the least possible impact on the environment. The code PAP 22 describes these instructions for the device, which were printed on paper. They should be disposed of through the usual recycling channels, such as waste paper collection points.

The RoHS directive aims to restrict certain dangerous substances commonly used in electronic and electronic equipment. This RoHS compliant symbol indicate the component is tested for the presence of Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent chromium (Hex-Cr), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE). For Cadmium and Hexavalent chromium, there must be less than 0.01% of the substance by weight at raw homogeneous materials level. For Lead, PBB, and PBDE, there must be no more than 0.1% of the material, when calculated by weight at raw homogeneous materials. Any RoHS compliant component must not have more than 100 ppm of mercury and the mercury must not have been intentionally added to the component.