



**AC/DC adapter**

Model: **AK-CH-31**



Product code	AK-CH-31
Product type	AC/DC adapter
Series	Universal
Responsible Entity	Akyga Europe Sp. z o.o., 52-200 Suchy Dwór, Wrocławska 1c, Polska/Poland, contact@akyga.com
Supply voltage	110-240 V / 50/60 Hz
Power consumption	< 0.25 A
Maximum power	65 W (USB-C) or 27 W (USB-A) or (45 W + 12 W)
Standard	Quick Charge 4+ / 3.0, Power Delivery 3.0, Samsung AFC, Huawei FCP, DCP, SCP, Apple 2.4A, PPS, GaN
Mechanical switch	None
Ground wire	None (II protection class)
OVP	Yes
OCP	Yes
OTP	Yes
SCP	Yes
Power supply connector	CEE 7/16 (Europlug)
USB-A output voltage	5 V / 3 A, 9 V / 2.5 A, 12 V / 2.25 A, 15 V / 1.75 A, 20 V / 1.35 A (Max. 27 W)
USB-C output voltage	5 V / 3 A, 9 V / 3 A, 12 V / 3 A, 15 V / 3 A, 20 V / 3.25 A (Max. 65 W), PPS: 5-20 V / 3 A
Compliance with DCP (Dedicated Charging Port)	Yes
Material	ABS
Product color	White
Display	None
MTBF	100000 h
Temperature	-10 - 35 °C
Package	EcoBox
Product size (L x W x H)	86 x 58 x 46 mm
Package size (L x W x H)	100 x 85 x 40 mm
Net weight	99 g
Gross weight	136 g
CE compatibility	Yes
FCC compatibility	Yes
RoHS compatibility	Yes
REACH compatibility	Yes
EAN code	5906708750672
Warranty	24 months





Over Voltage Protection



Over Current Protection



Over Temperature Protection



Short Circuit Protection



# Description

**Akyga® AK-CH-31** is a modern **USB-C charger with up to 65W of power**, designed for maximum convenience of use – not only in terms of functionality, but also space. Its **ultra-slim design** allows the charger to fit almost completely flush against the wall, so it can be easily mounted behind a bed, bedside cabinet or desk without worrying about protruding plugs or limited space. It is the perfect solution for modern, tidy interiors where every centimetre counts.

## Universal ports - USB-C and USB-A

The AK-CH-31 charger is equipped with a **USB-C PD port** and a classic **USB-A port with fast charging support**, allowing you to **charge two devices simultaneously**. The USB-C port supports voltages from 5 to 20 V and power up to 65 W, and additionally supports **PPS technology**, enabling dynamic power adjustment for compatible devices such as Samsung smartphones or laptops with USB-C. The USB-A port offers up to **27 W** of power and ensures fast charging of devices – whether you connect your phone, headphones or power bank.

## Wide compatibility with charging standards

The **AK-CH-31 flat USB-C charger** supports all major fast charging protocols, including: **Power Delivery 3.0** and 2.0, PPS, Quick Charge 4+, QC 3.0 / 2.0, SCP, FCP, AFC, DCP, Apple 2.4A and Samsung 5 V/2 A. This means that whether you use an iPhone, iPad, Samsung Galaxy S, USB-C laptop or other mobile devices, the charger will automatically adjust its power output for **safe, efficient and fast charging**.

## GaN technology - power without compromise

Thanks to **innovative GaN (gallium nitride) technology** has reduced the size of the charger while increasing its energy efficiency. As a result, the device heats up less and maintains full performance for longer. This is particularly important when the charger is installed in hard-to-reach places – you can count on its reliability without having to remove or reposition it frequently.