



In-Wall USB-C Power Delivery

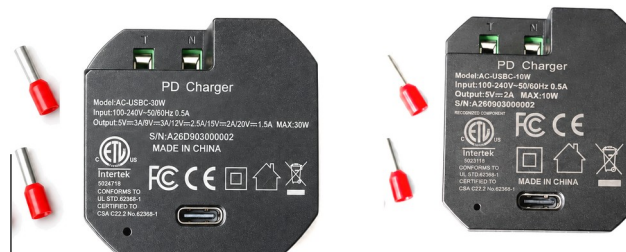
Compact AC-to-USB-C power for embedded wall-box installations

AUTO NEGOTIATION USB-C device power negotiation

ETL LISTED Certified product marking shown on unit

100–240 VAC 50/60 Hz universal AC input

WALL-BOX READY 86 × 86 boxes and US gang box



AC-USBC-30W

AC-USBC-10W

Product overview

The AC-USBC series provides an embeddable solution for delivering power to a USB-C device from a 100–240 VAC source. The active PSE negotiates with the connected USB-C device and enables the appropriate output level. The compact form factor is intended for in-wall applications using 86 × 86 boxes or a US gang box.

General specifications

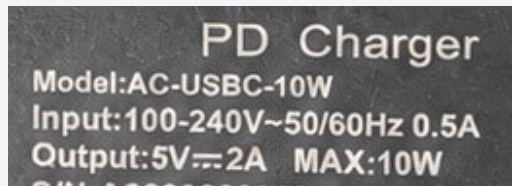
SPECIFICATION	VALUE
Power wiring	Screw terminals
Input voltage	100–240 VAC, 50/60 Hz
Power factor	0.50 @ 5 W
Standby internal power	50 mW
Operating temperature	0 °C to 50 °C
Size — 30 W model	49 × 50 × 28 mm
Size — 10 W model	48 × 41 × 26 mm
Weight	5.5 oz / 150 g
Isolation	Isolated — 1500 V Class II isolation
Wire notes	AWG14 solid physically possible; AWG18 stranded with adapter



USB-C output profiles

USB-C voltage	10 W model	30 W model
5.0 V	2.0 A 10 W	3.0 A 15 W
9.0 V	—	3.0 A 27 W
12 V	—	2.5 A 30 W
15 V	—	2.0 A 30 W
20 V	—	1.5 A 30 W

Output profiles are reproduced from the model markings and original datasheet.

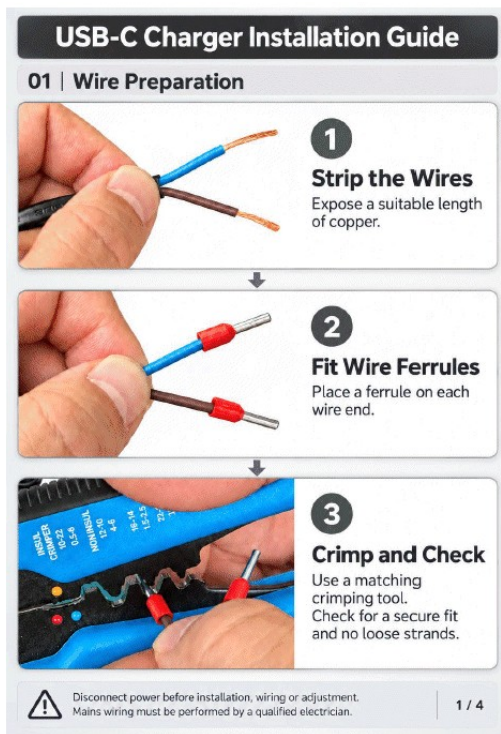


10 W model marking

Model:AC-USBC-30W
Input:100-240V~50/60Hz 0.5A
Output:5V=3A/9V=3A/12V=2.5A/15V=2A/20V=1.5A MAX:30W

30 W model marking

Installation notes



Wire preparation

- Use AWG16 wire with a 10 mm strip length, as shown in the installation guide.
- Fit wire ferrules over the stripped conductors.
- Crimp the metal ferrule sleeve; do not crimp the red plastic collar.
- Check the ferrule for a secure fit and no loose strands.

SAFETY Disconnect power before installation, wiring, or adjustment. Mains wiring must be performed by a qualified electrician.