



# PHIHONG USB 3.1 45W Power Delivery Adapter

The USB 3.1 45W Power Delivery Adapter is the latest offering from a world leader of charging adapter - Phihong Technology. With more than 40 years of professional experiences in power supply design and manufacturing, Phihong ensures our products meet or exceed all the performance and safety requirements

Phihong USB 3.1 45W Power Delivery Adapter is a highly efficient charging solution for wide range of applications such as mobile phones, tablets, networking devices, monitors, and notebooks. It supports automatic sensing and switching between 3 output voltages (5V, 12V, 20V) based on different end devices, providing output power up to maximum 45W. Moreover, its USB 3.1 Type-C connector features either up or down orientation and allows reversible plug in. Phihong USB3.1 45W Power Delivery Adapter meets DoE Level VI / CoC V high efficiency standards and has over temperature protection, over current protection, short circuit protection, and over voltage protection. It is an ideal charging or power source choice for mobile electronic devices and peripherals.

## Features

- Universal input voltage 90~264Vac
- Automatic sensing and switching between 5V / 12V / 20V DC output. Up to maximum 45W output
- USB 3.1 Type-C connector to allow reversible plug in
- Broad applications for mobile phone, tablet, networking devices, monitor, and notebook
- High Efficiency : CoC V tier 2 / DoE Level VI
- Protections : OTP, OCP, SCP, OVP
- IEC / EN / UL60950 Standards



## Specification

Model Name	PSA45A-200-H
AC Input Range	90 Vac to 264 Vac
Output Power	45W max
Output Voltage	5V / 12V / 20V
Output Voltage Tolerance	5V Mode : 4.75~5.25V (5V ± 5%), output current 0~3A 12V Mode : 11.4~12.6V (12V ± 5%), output current 0~3A 20V Mode : 19~21V (20V ± 5%), output current 0~2.25A
Efficiency	5V / 3A, CoC V5 tier 2, avg. eff. >81.89%, 10% load efficiency > 72.48% 12V / 3A, CoC V5 tier 2, avg. eff. >88.30%, 10% load efficiency > 78.30% 20V / 2.25A, CoC V5 tier 2, avg. eff. >88.85%, 10% load efficiency > 78.85%
Power Saving	< 75mW @ 120Vac / 230Vac, 5V Mode, minimum load
Protections	OTP, OCP, SCP, OVP
Operating Temperature	0°C ~ 45°C
Safety & EMC Requirement	IEC / EN / UL 60950 Standard
EMI Requirement	FCC Class B / EN55022 Class B
Output Connector	USB 3.1 Type C

BA21 PHT150402

