Manuals+ — User Manuals Simplified.

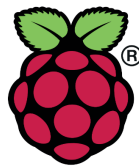KSA-15E-051300HU
USB-C Power Supply

Raspberry Pi KSA-15E-051300HU USB-C Power Supply Data Sheet

Contents

Raspberry Pi

Raspberry Pi KSA-15E-051300HU USB-C Power Supply

Overview

The official Raspberry Pi USB-C Power Supply is designed to power Raspberry Pi 4 Model B and Raspberry Pi 400 computers.

Featuring a captive USB-C cable, the power supply is available in five different models to suit different international power sockets, and in two colours, white and black.

Specification

Output

- **Output voltage:** +5.1V DC
- **Minimum load current:** 0.0A
- **Nominal load current:** 3.0A
- **Maximum power:** 15.0W
- **Load regulation:** ±5%
- **Line regulation:** ±2%
- **Ripple & noise:** 120mVp-p
- **Rise time:** 100ms maximum to regulation limits for DC outputs
- **Turn-on delay:** 3000ms maximum at nominal input AC voltage and full load
- **Protection:** Short circuit protection

  Overcurrent protection

  Over temperture protection
- **Efficiency:** 81% minimum (output current from 100%, 75%, 50%, 25%)
- **Output cable:** 1.5m 18AWG
- **Output connector:** USB Type-C

Input

- **Voltage range:** 100–240Vac (rated) 96–264Vac (operating)

- **Frequency:** 50/60Hz ±3Hz

- **Current:** 0.5A maximum

- **Power consumption (no load):** 0.075W maximum

- **Inrush current:** No damage shall occur and the input fuse shall not blow.

Plug styles

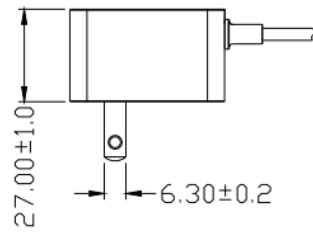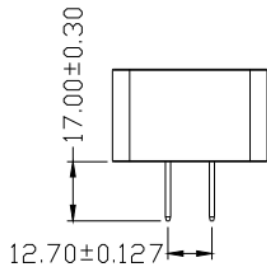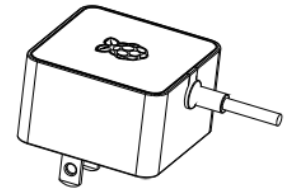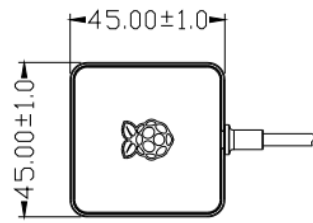| Part number	Product number	Colour	Plug Style	Plug Type
KSA-15E-051300HU	SC0445	White	US	Type A
	SC0218	Black		
KSA-15E-051300HE	SC0444	White	Europe	Type C
	SC0217	Black		
KSA-15E-051300HK	SC0443	White	UK	Type G
	SC0216	Black		
KSA-15E-051300HA	SC0523	White	Australia New Zealand China	Type I
	SC0219	Black		
KSA-15E-051300HI	SC0478	White	India	Type D (2- pin)
	SC0479	Black		

Environment
Operating ambient temperature 0–40°C
Compliance
For a full list of local and regional product approvals, please visit: **pip.raspberrypi.com**

Physical specification
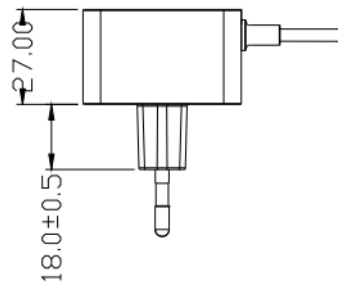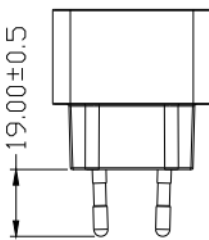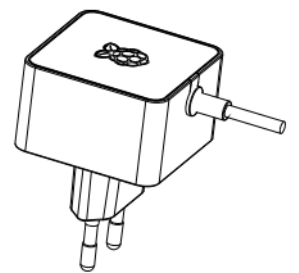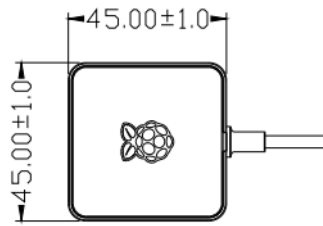
KSA-15E-051300HU

45.00±1.0

45.00±1.0

17.00±0.30

12.70±0.127

27.00±1.0

6.30±0.2

KSA-15E-051300HE

45.00±1.0

45.00±1.0

19.00±0.5

27.00

18.0±0.5

KSA-15E-051300HK

45.00±1.0

48.00±1.0

45.00±1.0

17.60 +0.6 -0.4

22.70±0.4

27.00±1.0

KSA-15E-051300HA

45.00±1.0

45.00±1.0

8.6min

17.06±0.4

27.00±1.0

54.75±0.7

54.75±0.7
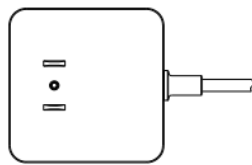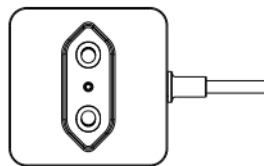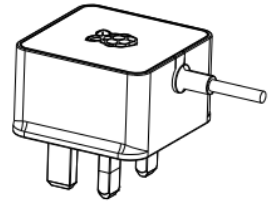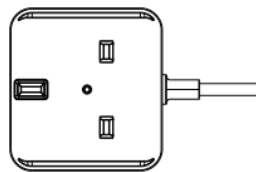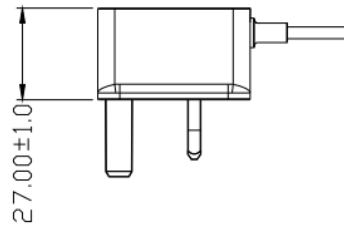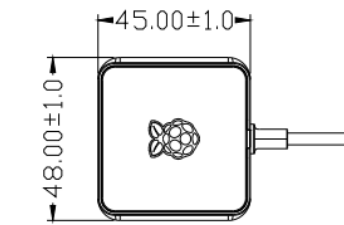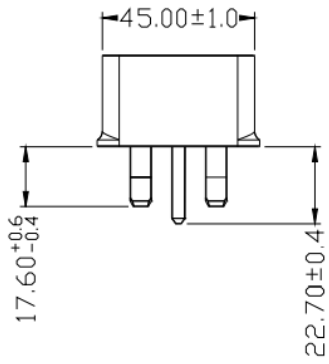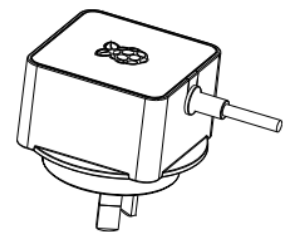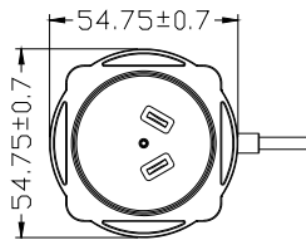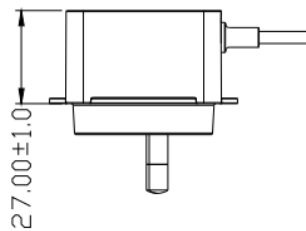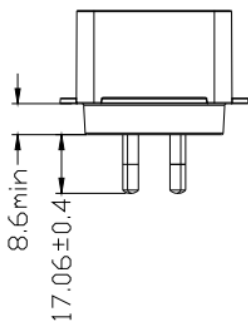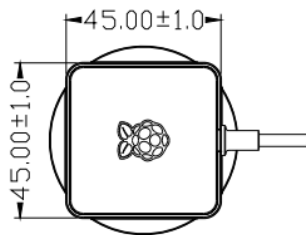
note: all dimensions in mm

KSA-15E-051300HI

45.00±1.0

45.00±1.0

15.9 $^{+1.04}_{-0.13}$

19.10±0.15

27.00±1.0

Ø5.08 $^{+0.025}_{-0.050}$
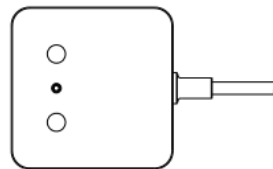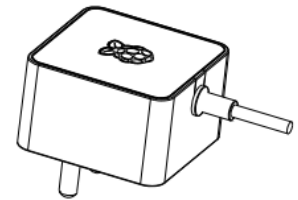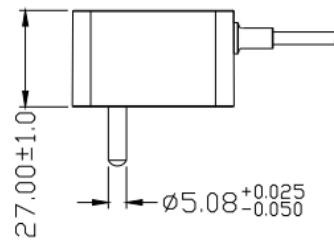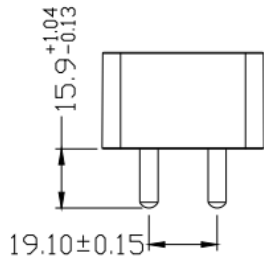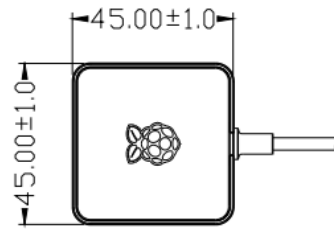
note: all dimensions in mm

Case material: UL94V-1
AC pin material: Brass (Ni-plated)

DC cord and output plug
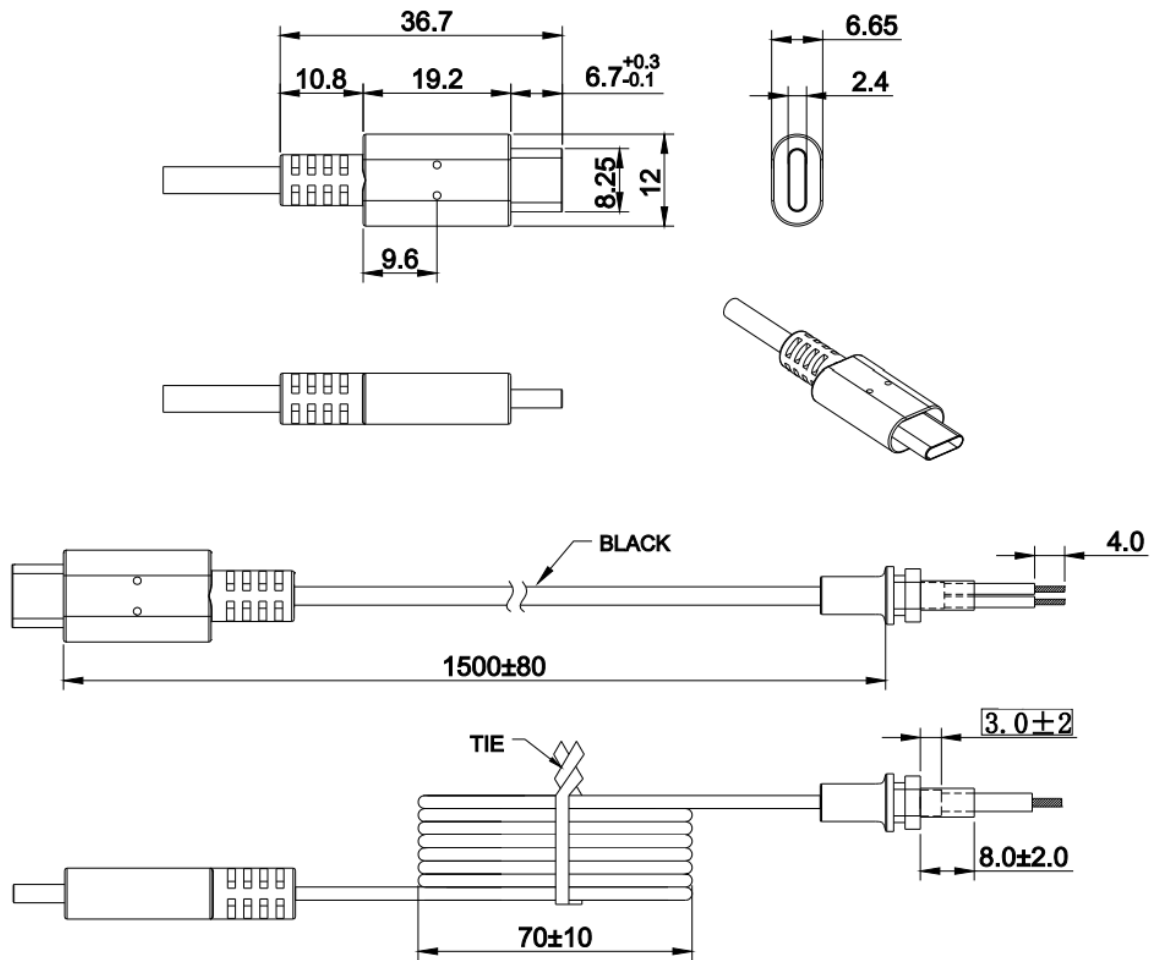
WARNINGS

- This product should be operated in a well-ventilated environment.
- The connection of incompatible devices to this power supply may affect compliance, result in damage to the unit and invalidate the warranty.

SAFETY INSTRUCTIONS

To avoid malfunction or damage to this product please observe the following:

- Do not expose to water or moisture, or place on a conductive surface whilst in operation.
- Do not expose to heat from any source; this is designed for reliable operation at normal ambient room temperatures.
- Do not attempt to open or remove the power supply case.

Features

- **USB-C Connector**: The Raspberry Pi KSA-15E-051300HU USB-C Power Supply is equipped with a USB-C connector, specifically designed for the latest Raspberry Pi 4 Model B. This ensures a secure and reliable connection, providing the necessary power for your Raspberry Pi projects.
- **High Power Output**: This power supply delivers a stable 5.1V / 3.0A output, providing 15.3 watts of power. It is designed to meet the high energy demands of the Raspberry Pi 4 Model B and other compatible USB-C devices.

- **Durable 1.5m Cable**: The Raspberry Pi KSA-15E-051300HU USB-C Power Supply includes a 1.5-meter long captive cable with an 18AWG thickness. The durable cable ensures minimal voltage drop, maintaining consistent power delivery to your devices.
- **Wide Input Voltage Range**: The power supply supports an input voltage range of 100-240V AC, making it compatible with power outlets worldwide. This feature is especially useful for users who need to power their Raspberry Pi in different regions.
- **Built-In Protection**: The Raspberry Pi KSA-15E-051300HU USB-C Power Supply includes several built-in protection features, including over-voltage protection, over-current protection, and short-circuit protection. These safeguards help to protect both the power supply and the connected devices from damage.
- **Compact and Lightweight Design**: Weighing just 3.84 ounces, the Raspberry Pi KSA-15E-051300HU USB-C Power Supply is compact and lightweight, making it easy to carry and use in various environments. Its small form factor allows it to fit comfortably in any setup.
- **Energy Efficient**: With a total power rating of 15.3 watts, this power supply is designed to be energy-efficient, providing reliable power without unnecessary energy consumption.
- **Reliable Performance**: Engineered specifically for the Raspberry Pi 4 Model B, the Raspberry Pi KSA-15E-051300HU USB-C Power Supply offers consistent and reliable performance, ensuring that your Raspberry Pi operates at its full potential without power-related interruptions.
- **Black Finish**: The power supply comes in a sleek black color, matching the aesthetic of many Raspberry Pi cases and accessories, making it a visually appealing choice for your setup.

FAQs

What devices are compatible with the Raspberry Pi KSA-15E-051300HU USB-C Power Supply?

The Raspberry Pi KSA-15E-051300HU USB-C Power Supply is compatible with the Raspberry Pi 4 Model B and other USB-C devices that meet the required power specifications.

What is the power output of the Raspberry Pi KSA-15E-051300HU USB-C Power Supply?

The Raspberry Pi KSA-15E-051300HU USB-C Power Supply provides a stable power output of 5.1V / 3.0A.

What is the length of the cable included with the Raspberry Pi KSA-15E-051300HU USB-C Power Supply?

The Raspberry Pi KSA-15E-051300HU USB-C Power Supply includes a 1.5-meter captive cable with a USB-C output connector.

What is the weight of the Raspberry Pi KSA-15E-051300HU USB-C Power Supply?

The Raspberry Pi KSA-15E-051300HU USB-C Power Supply weighs approximately 3.84 ounces.

What is the total wattage of the Raspberry Pi KSA-15E-051300HU USB-C Power Supply?

The total wattage of the Raspberry Pi KSA-15E-051300HU USB-C Power Supply is 15 watts.

What color is the Raspberry Pi KSA-15E-051300HU USB-C Power Supply?

The Raspberry Pi KSA-15E-051300HU USB-C Power Supply comes in black.

How many USB ports are available on the Raspberry Pi KSA-15E-051300HU USB-C Power Supply?

The Raspberry Pi KSA-15E-051300HU USB-C Power Supply has one USB-C port for power output.

What makes the Raspberry Pi KSA-15E-051300HU USB-C Power Supply ideal for Raspberry Pi 4 Model B?

The Raspberry Pi KSA-15E-051300HU USB-C Power Supply is designed to meet the power requirements of the Raspberry Pi 4 Model B, providing a stable 5.1V / 3.0A output for optimal performance.

How should the Raspberry Pi KSA-15E-051300HU USB-C Power Supply be stored when not in use?

The Raspberry Pi KSA-15E-051300HU USB-C Power Supply typically comes with a standard manufacturer's warranty, but the exact terms may vary by region or retailer.

What is the input voltage range for the Raspberry Pi KSA-15E-051300HU USB-C Power Supply?

The Raspberry Pi KSA-15E-051300HU USB-C Power Supply supports an input voltage range of 100-240V AC, allowing for worldwide compatibility.

What is the maximum current output of the Raspberry Pi KSA-15E-051300HU?

The Raspberry Pi KSA-15E-051300HU has a maximum current output of 3.0A, providing sufficient power for connected devices.

What is the design of the Raspberry Pi KSA-15E-051300HU?

The Raspberry Pi KSA-15E-051300HU features a sleek, pure white cube design with a matte finish and the classic Raspberry Pi logo on top.

Download this Manual: [Raspberry Pi KSA-15E-051300HU USB-C Power Supply Data Sheet](#)

References

- **[User Manual](#)**