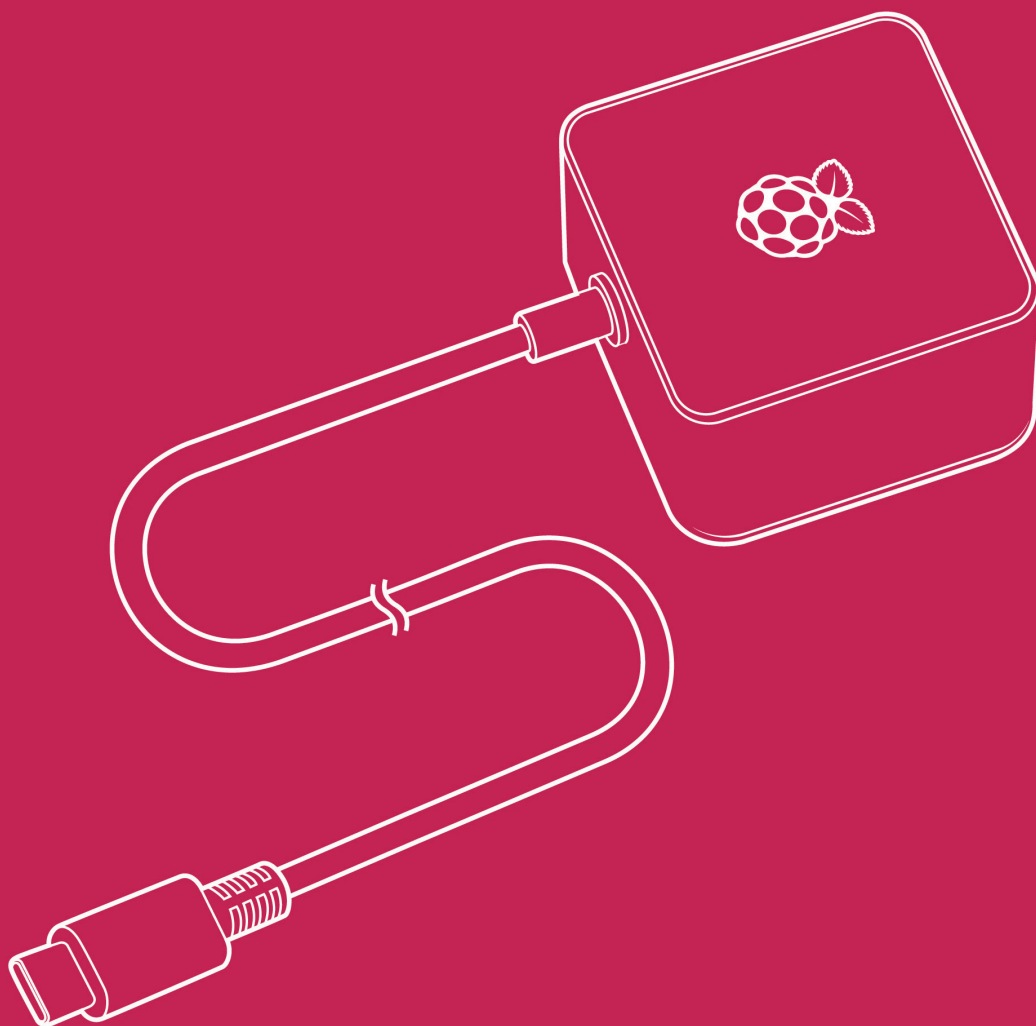


# Raspberry Pi 15.3W USB-C Power Supply



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by Raspberry Pi Trading Ltd.

[www.raspberrypi.org](http://www.raspberrypi.org)



Raspberry Pi

# Overview

The official Raspberry Pi USB-C power supply is designed to power the latest Raspberry Pi 4 Model B computers, which were released in June 2019.

Featuring a captive USB-C cable, the power supply is available in four 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:	0A
Nominal load current:	3.0A
Maximum power:	15.3W
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 temperature protection
Efficiency:	81% minimum (output current from 100%, 75%, 50%, 25%) 72% minimum at 10% load
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	Colour	Plug Style	Plug Type
KSA-15E-051300HA White	White	Australia	Type I
KSA-15E-051300HA Black	Black	New Zealand	
		China	
KSA-15E-051300HE White	White	Europe, India	Type C
KSA-15E-051300HE Black	Black		
KSA-15E-051300HK White	White	UK	Type G
KSA-15E-051300HK Black	Black		
KSA-15E-051300HU White	White	US, Canada	Type A
KSA-15E-051300HU Black	Black		

## Environment

Operating ambient temperature 0–40°C

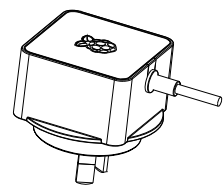
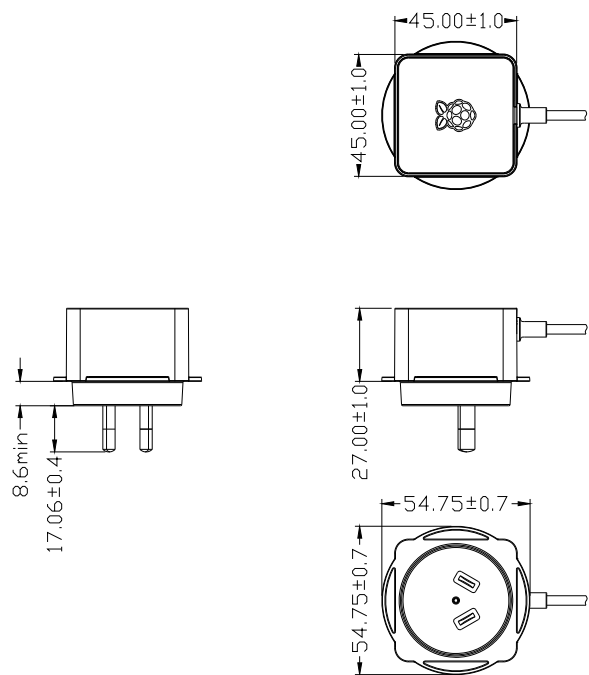
## Compliance

For a full list of local and regional product approvals, please visit

[www.raspberrypi.org/documentation/hardware/raspberrypi/conformity.md](http://www.raspberrypi.org/documentation/hardware/raspberrypi/conformity.md)

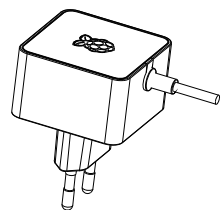
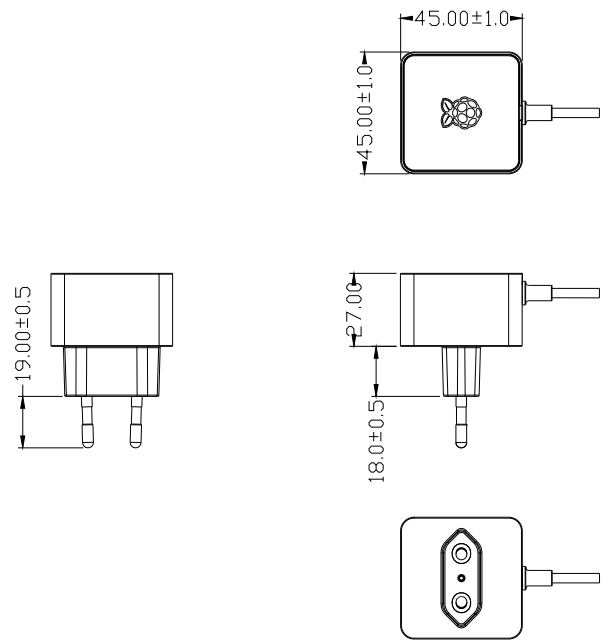
# Physical Specifications

## KSA-15E-051300HA



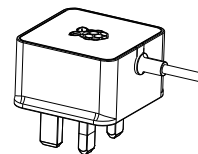
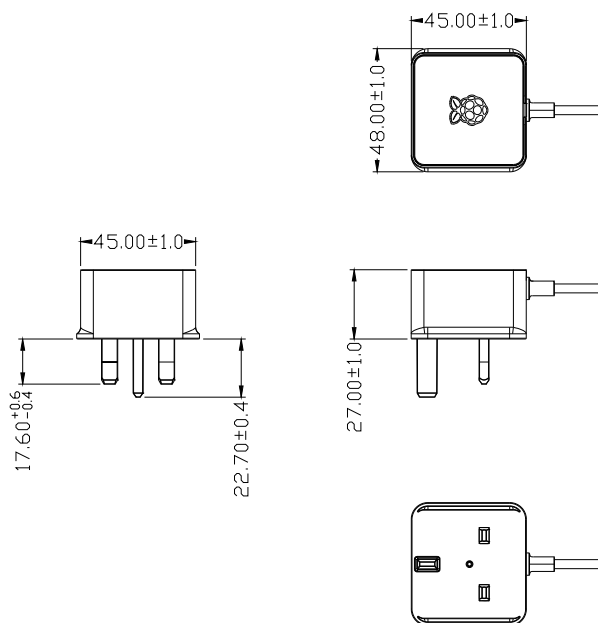
Note: all dimensions in mm

## KSA-15E-051300HE



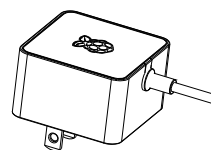
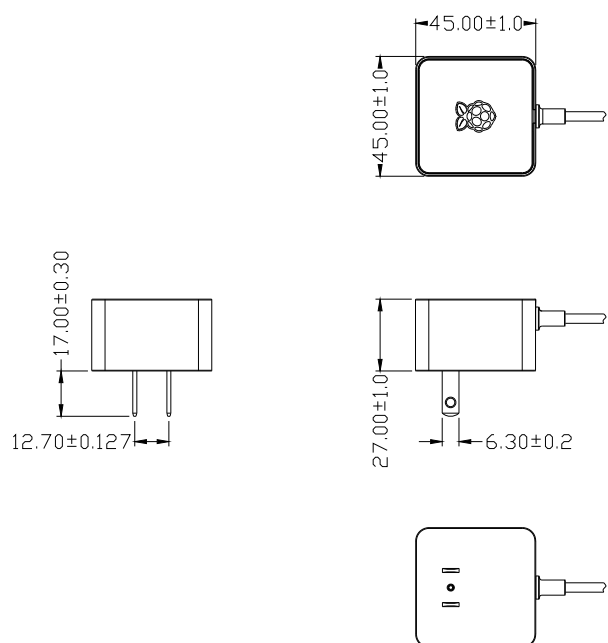
Note: all dimensions in mm

## KSA-15E-051300HK



Note: all dimensions in mm

## KSA-15E-051300HU



Note: all dimensions in mm

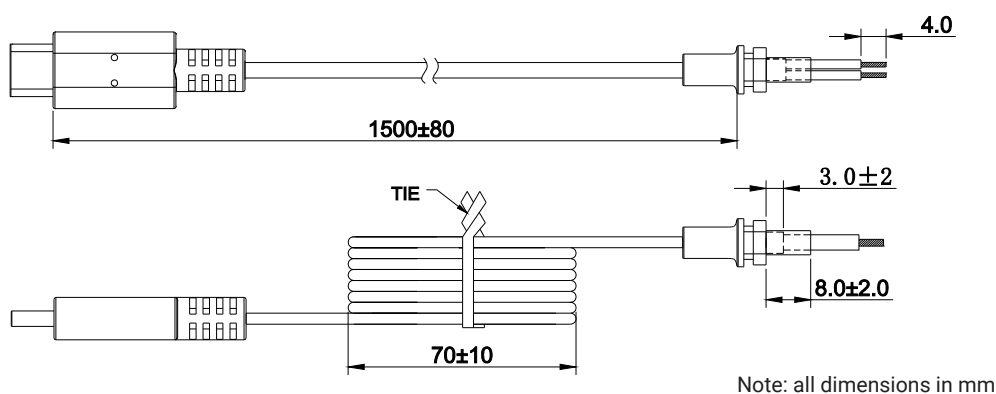
## Case material

UL94V-1

## AC pin material

Brass (NI plated)

## DC cord & output plug



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## 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.

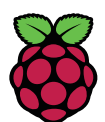
## SAFETY INSTRUCTIONS

**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.

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Raspberry Pi



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