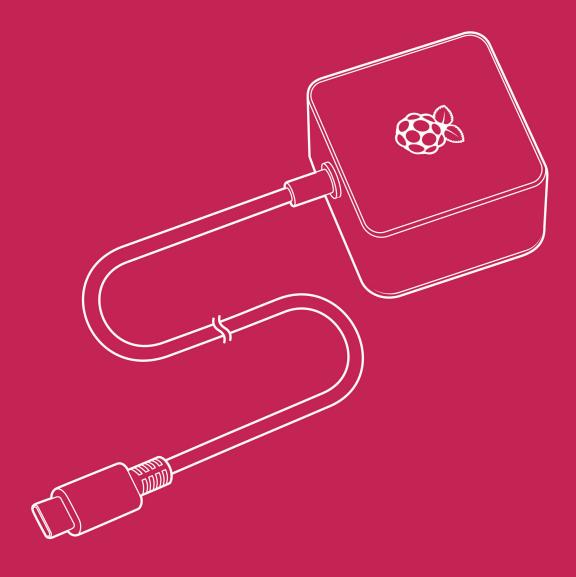
Raspberry Pi 15.3W USB-C Power Supply



Published in June 2019 by Raspberry Pi Trading Ltd.



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

Colour	Plug Style	Plug Type
White	Australia	
Plack	New Zealand	Type I
DIACK	China	
White	Forman a londin	T 0
Black	Europe, India	Type C
White		
	UK	Type G
Black		
White		
	US, Canada	Type A
Black		
	White Black White Black White Black White White	White Australia New Zealand China White Europe, India White UK Black White US, Canada

Environment

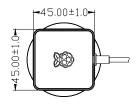
Operating ambient temperature 0-40°C

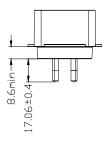
Compliance

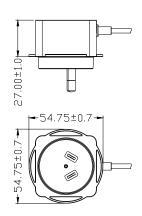
For a full list of local and regional product approvals, please visit www.raspberrypi.org/documentation/hardware/raspberrypi/conformity.md

Physical Specifications

KSA-15E-051300HA



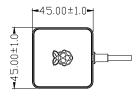


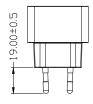


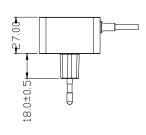


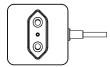
Note: all dimensions in mm

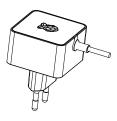
KSA-15E-051300HE





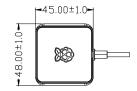


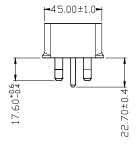


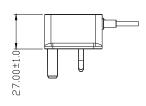


Note: all dimensions in mm

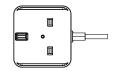
KSA-15E-051300HK





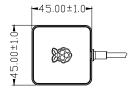


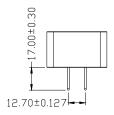


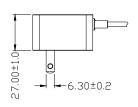


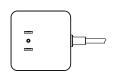
Note: all dimensions in mm

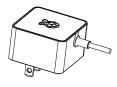
KSA-15E-051300HU











Note: all dimensions in mm

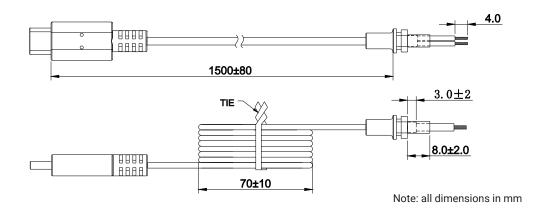
Case material

UL94V-1

AC pin material

Brass (NI plated)

DC cord & output plug



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.

