Raspberry Pi 15.3W USB-C Power Supply



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www.raspberrypi.org

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 New Zealand China	Туре І
KSA-15E-051300HA Black	Black		
KSA-15E-051300HE White	White	Europe, India	Туре С
KSA-15E-051300HE Black	Black		

KSA-15E-051300HK White	White	UK	Tupo C
KSA-15E-051300HK Black	Black	UK	Type G

KSA-15E-051300HU White	White	US Canada	
KSA-15E-051300HU Black	Black	US, Canada	Туре А

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.



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