Raspberry Pi 15W USB-C Power Supply

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Raspberry Pi (Trading) Ltd
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 temperature 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

<table>
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<tr>
<th>Part number</th>
<th>Product number</th>
<th>Colour</th>
<th>Plug Style</th>
<th>Plug Type</th>
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<td>SC0445</td>
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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

KSA-15E-051300HE

Note: all dimensions in mm
KSA-15E-051300HK

KSA-15E-051300HA

NOTE: 1. Case cover & chassis material: PC - WHITE (WT-75)
2. AC PIN MATERIAL: BRASS (NI PLATED)
3. PAHS 6P NP REACH RoHS
4. Satin Finish
5. Top mold: MSS019014; Bottom mold: MSS019013

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.

note: all dimensions in mm