Raspberry Pi 12.5W
Micro USB Power Supply

Published October 2021
Overview

The official Raspberry Pi Micro USB Power Supply is designed to power any Raspberry Pi computer that features a micro USB connector.

Featuring a captive micro USB cable, the power supply is available in five different variants to suit different international power sockets.
### Specification

#### Output
- **Output voltage:** +5.1V DC
- **Minimum load current:** 0.0A
- **Nominal load current:** 2.5A
- **Maximum power:** 12.5W
- **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
- **Efficiency:** 80.73% minimum (output current from 100%, 75%, 50%, 25%)
- **Output cable:** 1.5m 18AWG
- **Output connector:** micro USB

#### 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>
<thead>
<tr>
<th>Part number</th>
<th>Product number</th>
<th>Colour</th>
<th>Plug Style</th>
<th>Plug Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>KSA-13B-051250HU</td>
<td>SC0623</td>
<td>White</td>
<td>US</td>
<td>Type A</td>
</tr>
<tr>
<td>KSA-13B-051250HE</td>
<td>SC0624</td>
<td>White</td>
<td>Europe</td>
<td>Type C</td>
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<td>KSA-13B-051250HK</td>
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<td>White</td>
<td>UK</td>
<td>Type G</td>
</tr>
<tr>
<td>KSA-13B-051250HA</td>
<td>SC0626</td>
<td>White</td>
<td>Australia, New Zealand, China</td>
<td>Type I</td>
</tr>
<tr>
<td>KSA-13B-051250HI</td>
<td>SC0627</td>
<td>White</td>
<td>India</td>
<td>Type D (2 pin)</td>
</tr>
</tbody>
</table>

### Environment

Operating ambient temperature 0–40°C

### Compliance

For a full list of local and regional product approvals, please visit [pip.raspberrypi.com](http://pip.raspberrypi.com)
Physical specification

KSA-13B-051250HU

KSA-13B-051250HE

note: all dimensions in mm
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: MSS019012

note: all dimensions in mm
KSA-13B-051250HI

note: all dimensions in mm
Case material
UL94V-0

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.