



18 Watt Interchangeable Plug Series PSA18R Wall Plug Adapter Meets EISA and CEC Requirement



Features

- Class B EMI
- No Load Power Consumption <0.3 Watt
- Ecodesign ErP Directive 2009/125/EC level 2 annex 1b Compliant
- Class II Double Insulated
- EISA and CEC Compliant
- Short-Circuit Protection
- Interchangeable AC Plugs

Applications

- Wireless Communications
- Peripherals
- Portable Equipment
- Networking Equipment

Safety Approvals

- cUL/UL
- TUV
- CE
- SAA
- C-Tick
- PSE
- BSMI
- PSB

Mechanical Characteristics

- Length: 71.7mm (2.82in)
- Width: 50mm (1.01in)
- Height: 33.3mm (1.31in)
- Weight: 170g (6.00oz)

Output Specifications

Model ⁽¹⁾	DC Output Voltage	Load		Ripple ⁽²⁾ P-P (max.)	Regulation Line & Load	Efficiency Level
		Min.	Max.			
PSA18R-120P	12V	0A	1.5	120mV	±5%	V

(1) Minimum order quantity required.

(2) Measured after 30 minutes with by-pass capacitors 0.1uF/10uF at output connector terminal and oscilloscope set at 20Mhz. Interchangeable clips sold separately.

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Input:**AC Input Voltage Rating**

100 to 240V AC

AC Input Voltage Range

90 to 264V AC

AC Input Frequency

47 to 63Hz

Input Current

0.5A (RMS) maximum at 120V AC

0.25A (RMS) maximum at 240V AC

Leakage Current

0.25mA maximum at all line conditions

Inrush Current

<30A for 120V AC at maximum load

<60A for 240V AC at maximum load

(Cold start at ambient 25°C)

Input Power Saving

<0.3W maximum at no load

Output:**Efficiency**

>80.3% average efficiency

Hold-up Time

10mS minimum at 120V AC and maximum load

Environmental:**Temperature**

Operation 0 to +40°C

Non-operation -25 to +75°C

Humidity 20 to 90%

Emissions

FCC Class B

EN55022 Class B

Immunity

IEC61000-4-2

IEC61000-4-3

IEC61000-4-4

IEC61000-4-5

IEC61000-4-6

IEC61000-4-8

IEC61000-4-11

EN61000-3-2

Over-Voltage Protection

<20Vpk, auto restart

Over-Current Protection

Short-circuit protection – auto-restart

Short-Circuit Protection

Output can be shorted without damage

Dielectric Withstand (Hi-pot) Test

Primary to Secondary: 3000V AC for 1 min., 10mA

DC Output Connector

2.1 x 5.5mm Center positive Standard

Mating Connector

Kycon KLD-0202-A or equivalent

AC Input Clips (sold separately)

RPA: US

RPI: India

RPB: Brazil

RPK: UK

RPC: China

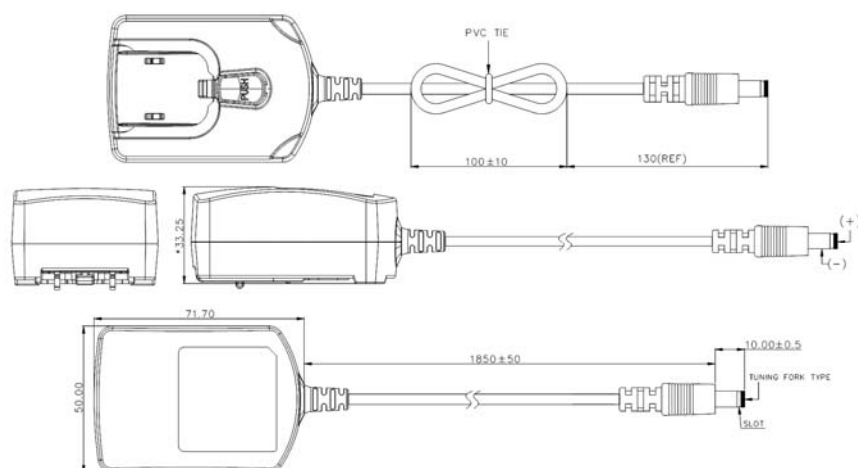
RPN: Argentina

RPE: Europe

RPS: Australia

RPH: Korea

RPX: IEC320 C8

Dimension Diagram Unit: mm (inch)

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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[RPX-03](#) [RPKIT-10R](#) [RPKIT-21R](#) [RPKIT-5R](#) [PSA18R-120P-R](#)