



30W Interchangeable Plug Series PSAA30R Adapter Series Meets Level V Efficiency Requirements



Features

- Limited Power Source
- Level V Efficiency Compliance
- Class II Double Insulated
- Class B EMI

Applications

- Peripherals
- Gaming Machines
- Point of Sale Equipment
- Network Equipment

Safety Approvals

- cUL/UL
- SAA
- CE
- C-Tick

Mechanical Characteristics

- Length: 82.7mm (3.26in)
- Width: 55mm (2.17in)
- Height: 39.1mm (1.54in)
- Weight: 150g (5.29oz)

Output Specifications

| Model | DC Output Voltage | Load | | Ripple P-P (max.) | Regulation | | Efficiency Level |
|-------------|-------------------|------|-------|-------------------|------------|------|------------------|
| | | Min. | Max. | | Line | Load | |
| PSAA30R-050 | 5V | 0A | 4.00A | 70mV | ±5% | | V |
| PSAA30R-120 | 12V | 0A | 2.50A | 120mV | ±5% | | V |
| PSAA30R-150 | 15V | 0A | 2.00A | 200mV | ±5% | | V |
| PSAA30R-240 | 24V | 0A | 1.25A | 240mV | ±5% | | V |
| PSAA30R-560 | 56V | 0A | 0.54A | 560mV | ±5% | | V |

(1) Measured with by-pass capacitors 0.1uF/10uF at output connector terminal and oscilloscope set at 20MHz.

(2) At no load to full load, 1.5 meter (approx 5ft) DC cord, measured at the plug

-- 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

0.8A (RMS) maximum at 120V AC

0.5A (RMS) maximum at 240V AC

Leakage Current

0.25mA maximum

Inrush Current

<60A for 100V AC at maximum load

<100A for 240V AC at maximum load

(Cold start at ambient 25°C)

Input Power Saving

0.3W maximum at no load

Output:

Efficiency

Meets Level V efficiency requirements

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 Level 4

IEC61000-4-3 Level 2

IEC61000-4-4 Level 2

IEC61000-4-5 Level 2

IEC61000-4-6 Level 2

IEC61000-4-8 Level 1

IEC61000-4-11

EN61000-3-2

Over-Voltage Protection

Auto restart

Over-Current Protection

Auto-restart without damage

Short-Circuit Protection

Output can be shorted without damage

Dielectric Withstand (Hi-pot) Test

Input to Output: 3000V AC for 1 min., 10mA

Insulation Resistance

Input to output: 7M ohm, 500V DC

DC Output Connector (Barrel Type)

2.1 x 5.5 x 9.5mm Center Positive Standard

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)

