



18 Watt Universal 3-Wire Input Adapter

PSAA18U Adapter Meets EISA and ENERGY STAR Requirements



PRELIMINARY

Features

- Low Cost
- Efficiency Level V Compliance
- Class B EMI
- Non-vented/Spill-proof Case
- Low Profile Design

Applications

- Portable Equipment
- Access Devices
- Peripherals
- Network Hubs

Safety Approvals (Pending)

- cUL/UL60950-1
- CE
- IEC60950-1

Mechanical Characteristics

- Length: 103mm (4.06in)
- Width: 49mm (1.93in)
- Height: 33.5mm (1.32in)
- Weight: 140g (4.94oz.)

Output Specifications

Model	DC Output Voltage	Load		Ripple (1) P-P (max.)	Regulation		Efficiency Level
		Min.	Max.		Line	Load	
PSAA18U-090	+9V	0A	2.0A	90mV	±5%		ⓧ
PSAA18U-120	+12V	0A	1.5A	120mV	±5%		ⓧ
PSAA18U-240	+24V	0A	0.75A	240mV	±5%		ⓧ

(1) Measured with using 12-inch twisted pair terminated with a 10uF capacitor and 0.1uF ceramic in parallel.

Phihong reserves the right to make changes without further notice. Please consult Phihong USA and visit www.phihong.com for the most up-to-date specifications.

INPUT:

AC Input Voltage Rating
100 to 240VAC

AC Input Voltage Range
90 to 264VAC

AC Input Frequency
47 to 63Hz

Input Current
0.6A (rms) max. @ 100VAC
0.3A (rms) max. @ 240VAC

Leakage Current
0.25mA max. @ 250VAC / 50Hz.

Inrush Current (cold start @ ambient 25°C)
60A for 100VAC at max. load
150A for 240VAC at max. load

Input Power Saving
0.3W maximum at no load

OUTPUT:

Efficiency
≥ 80% average efficiency

Hold-up Time
10mS Min. @ 115VAC / 60 Hz

Over-Voltage Protection
Auto restart

Over-Current Protection
Auto restart

Short-Circuit Protection

Output can be shorted permanently without damage

ENVIRONMENTAL

Temperature

Operation 0 to +40°C
Non-operation -20 to +70°C

Relative Humidity

Operation 0 to 90% Non-Condensing
Non-operation 0 to 95% Non-Condensing

Emissions

FCC Class B
EN55022 Class B / CISPR22 Class B

Immunity

EN 50082-1: (EN55024)
EN 61000-4-2, Level 4
EN 61000-4-3, Level 2
EN 61000-4-4, Level 2
EN 61000-4-5, Level 3
EN 61000-4-6, Level 2
EN 61000-4-8, Level 1
EN 61000-4-11

Dielectric Withstand (Hi-pot) Test

Primary to Secondary: 3000VAC for 1 minute, 10mA
Primary to FG: 1500VAC for 1 minute, 10mA

DC Output Connector

2.1mm x 5.5mm center positive standard

Dimension Diagram Unit: mm

