

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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20-30 Watt Universal 3-Wire Input Adapter
PSA31U Single Output Switching Power Supply



Features

- Low Cost
- Class B EMI
- Non-vented/Spill-proof Case
- Low Profile Design

Applications

- Portable Equipment
- Peripherals
- Networking
- Gaming Machines

Safety Approvals

- cUL/UL
- CE
- C-Tick
- TUV
- SAA
- Meeting Cal. Prop. 65

Mechanical Characteristics

- Length: 113mm (4.45in)
- Width: 61mm (2.4in)
- Height: 34mm (1.34in)
- Weight: 242g (8.5oz.)

Output Specifications

Model	DC Output Voltage	Load		Ripple (1) P-P (max.)	Regulation L-L
		Min.	Max.		
PSA31U-050	+5V	0A	4A	50mV	±5%
PSA31U-090	+9V	0A	2.2A	90mV	±5%
PSA31U-120	+12V	0A	2.5A	120mV	±5%
PSA31U-150	+15V	0A	2A	150mV	±5%
PSA31U-180	+18V	0A	1.6A	180mV	±5%
PSA31U-240	+24V	0A	1.25A	240mV	±5%
PSA31U-480	+48V	0A	0.625A	200mV	±5%

(1) Measured with by-pass capacitors 0.1uf/10uf at output connector terminal and oscilloscope set at 20 Mhz.
Phihong is not responsible for any error and change. Please consult the factory and visit www.phihong.com for the most up-to-date specifications.

PSA31U Characteristics

WWW.PHIHONG.COM

INPUT:

AC Input Voltage Rating
100 to 240VAC

AC Input Voltage Range
90 to 264VAC

AC Input Frequency
47 to 63Hz

Input Current
1A (rms) Max. @ 115VAC
0.5A (rms) Max. @ 230VAC

Leakage Current
3.5mA Max.

Inrush Current (cold)
30A for 115VAC at Max. load
60A for 230VAC at Max. load
(Cold start @ ambient 25°C)

OUTPUT:

Efficiency
70% typical

Hold-up Time
12mS Min. @ 120VAC and Max. load

Over-voltage Protection
>130% over-voltage detection, adapter will be shut down

Over-current Protection
Output equipped with short circuit protection – auto restart

Short Circuit Protection
Output can be shorted without damage

ENVIRONMENTAL:

Tempeature

Operation	0 to +45°C
Non-operation	-30 to +85°C

Humidity

Operation	8 to 90%

Emissions
FCC Class B
EN55022 Class B
VCCI Class B

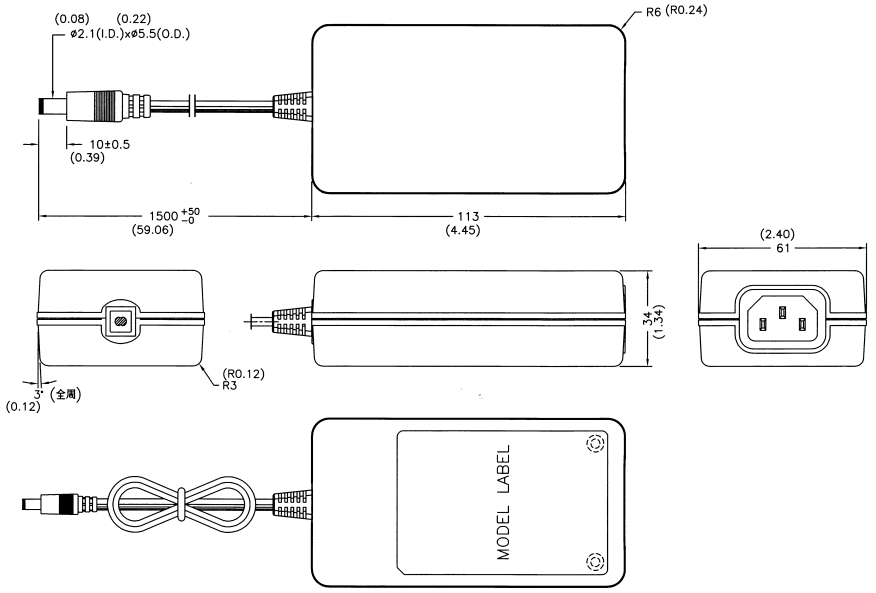
Immunity

61000-4-2	Level 4 ESD
61000-4-4	Level 2 FET/Burst
61000-4-5	(L-N) Level 2 Surge (L-G) Level 3

Dielectric Withstand (Hi-pot) Test
Primary to Secondary: 1500VAC for 1 minute, 10mA

DC Output Connector
2.1x5.5mm Center Positive Standard

Dimension Diagram Unit: mm



Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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We're here to make your life easier. How can we help you today?

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