



18 Watt Universal Switching Adapter PSA18U IEC320 C14 Input Series



Features

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

Applications

- Portable Equipment
- Peripherals
- Low-power Computers
- Network Hubs

Safety Approvals

- cUL/UL
- CE
- TÜV
- Meeting Cal. Prop. 65

Mechanical Characteristics

- Length: 98.5mm (3.88in)
- Width: 55mm (2.17in)
- Height: 31.5mm (1.24in)
- Weight: 200g (7.05oz.)

Output Specifications

Model	DC Output Voltage	Load		Ripple (1) P-P (max.)	Regulation Line & Load (2)
		Min.	Max.		
PSA18U-033	+3.3V	0A	4A	50mV	±5%
PSA18U-050	+5V	0A	3A	50mV	±5%
PSA18U-090	+9V	0A	2A	100mV	±5%
PSA18U-120	+12V	0A	1.5A	120mV	±5%
PSA18U-150	+15V	0A	1.2A	150mV	±5%
PSA18U-180	+18V	0A	1A	180mV	±5%
PSA18U-240	+24V	0A	0.75A	240mV	±5%

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

(2) No load to full load. 1.5m (5ft) DC cord measured at the plug.

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
0.5A (rms) Max. @ 120VAC
0.25A (rms) Max. @ 240VAC

Leakage Current
3.5mA Max.

Inrush Current (cold)
40A for 120VAC at Max. load
80A for 240VAC at Max. load
(Cold start @ ambient 25°C)

OUTPUT:

Efficiency
70% typical

Hold-up Time
16mS 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:

Temperature

Operation 0 to +40°C
Non-operation -25 to +75°C

Humidity

Operation 20 to 95%

Emissions

FCC Class B
EN55022 Class B

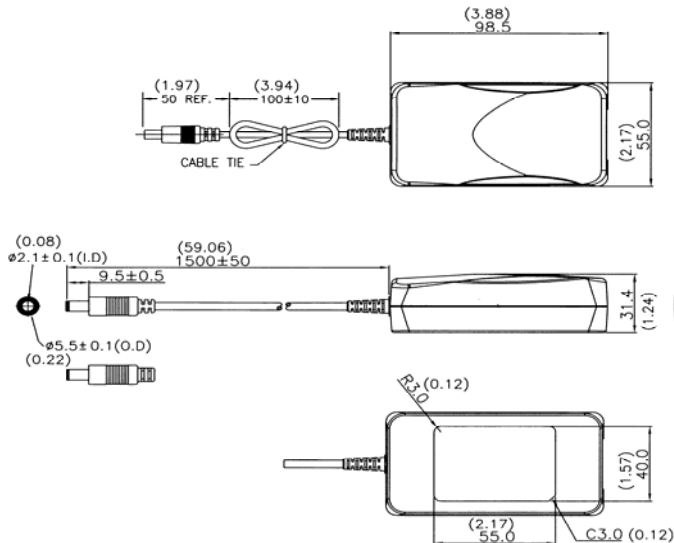
Immunity

ESD	61000-4-2	Level 3
EFT	61000-4-4	Level 2
Surge	61000-4-5	Level 3
CS	61000-4-6	Level 2
Voltage Dips	61000-4-11	
RS	61000-4-3	Level 2
Harmonic	61000-3-2	
Flicker	61000-3-3	

Dielectric Withstand (Hi-pot) Test

Input to output: 3000VAC for 1 minute, 10mA
Input to F.G.: 1500VAC for 1 minute, 10mA

Dimension Diagram Unit: mm



DC Output Connector

2.1x5.5mm Center Positive Standard