



## 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](http://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

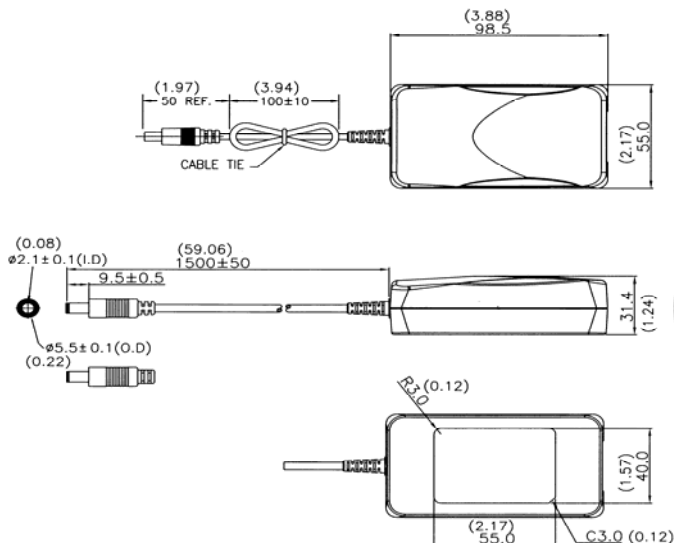
**Immunity**

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