



## 36 Watt Universal 2-Wire Input Adapter



### Features

- Low Cost
- Non-Vented/Spill-proof Case
- Ecodesign ErP Directive 2009/125/EC level 2 annex 1b Compliant
- Low Profile Design
- Level VI Efficiency Compliant

### Applications

- Portable Equipment
- Peripherals
- Networking
- Gaming Machines

### Safety Approvals

- CE/EMC
- IEC 60950-1
- cUL/UL 60950-1

### Mechanical Characteristics

- Length: 120mm (4.72in)
- Width: 50mm (1.98in)
- Height: 31.5mm (1.27in)
- Weight: 250g (8.82oz)

### Output Specifications

Model	DC Output Voltage	Load		Ripple <sup>1</sup> P-P (max.)
		Min.	Max.	
PSM36W-120L6-R	12V	0A	3A	140mV

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

Phihong is not responsible for any error, and reserves the right to make changes without notice. Please visit our website at [www.phihong.com](http://www.phihong.com) for the most up-to-date specifications and contact information.

**Input:**

**AC Input Voltage Rating**  
120-240V AC

**AC Input Voltage Range**  
90-264V AC

**AC Input Frequency**  
47-63Hz

**Input Current**  
1.2A (RMS) max @120VAC  
0.8A (RMS) max @120VAC

**Leakage Current**  
250uA maximum

**Inrush Current**  
60A max. @120V AC and max load  
(Ambient 25°C cold start)

**Output:**  
**Efficiency**  
DoE Level VI

**Environmental:**  
**Temperature**  
Operation 0 to 45°C  
Non-operation -40 to 80°C  
Operating Humidity 15 to 90%

**EMI**  
Complies with FCC Class B  
Complies with EN55032 Class B

**Immunity**

EN 61000-4-2, 8KV contact, 15kV air  
EN 61000-4-3, Criteria A  
EN 61000-4-5, 6KV L-N  
EN 61000-4-6, Criteria A  
EN 61000-4-11, Criteria B

**Over Current Protection**  
<5A auto restart mode

**Over-Voltage Protection**  
Auto-restart

**Short-Circuit Protection**  
Output can be shorted permanently  
without damage

**Dielectric Withstand (Hi-pot) Test**  
Primary to Secondary: 3000V AC, 10mA for 1  
minute

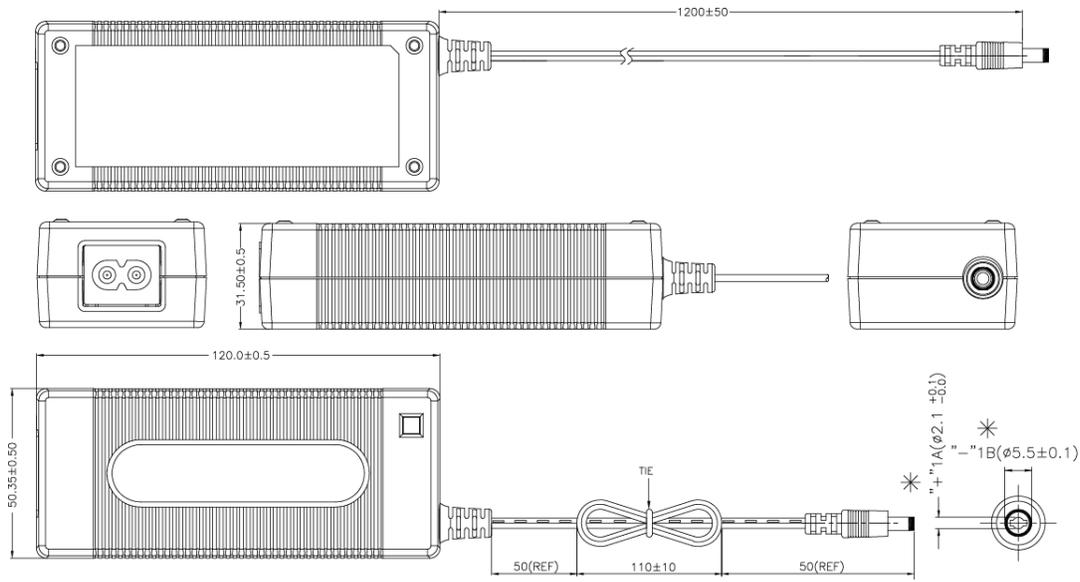
**Insulation Resistance**  
Primary to secondary: >7M ohm 500V DC

**MTBF**  
100,000 Hours Minimum at 25°C

**AC Input Connector**  
IEC320 C8

**DC Output Connector**  
Center positive barrel (2.1mm x 5.5mm x  
11.2mm)

**Dimension Diagram Unit: mm**



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**Supplier's Declaration of Conformity**  
**47 CFR § 2.1077 Compliance Information**

Phihong USA Corporation  
47800 Fremont Boulevard  
Fremont, CA 94538  
Telephone: (510) 445-0100  
[www.phihong.com](http://www.phihong.com)

NOTE: This model has/The models in this products series have been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to equipment not expressly approved by PHIHONG could void the user's authority to operate the equipment.

## Данный компонент на территории Российской Федерации

### Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

moschip.ru\_6

moschip.ru\_9