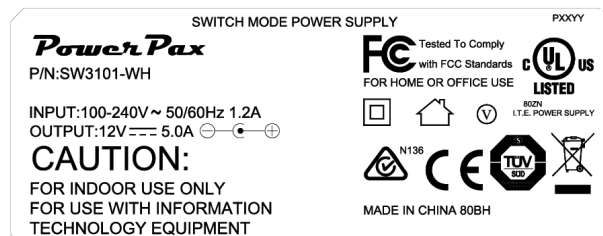


## 12vdc 5A Power Supply - 4 x output



A high quality 12VDC 5A power supply supplied complete with a 4 way splitter cable and a UK mains lead. This unit has a 90-264vac input & a standard 2 pin Fig.8 input connector. It is ideal of use with CCTV systems or powering multiple lengths of LED strip lighting. Each of the 4 outputs is terminated with an industry standard 2.1 x 5.5 x 12mm connector. Polarity + ve centre



Sample name plate

<b>Part Numbers</b>	<b>SW4618</b>
<b>Output</b>	12vdc regulated (5A max)
<b>Current Min.</b>	0.05A
<b>Power (watts)</b>	60W Max
<b>Line Reg</b>	+/-5% at rated load
<b>Total Output Regulation</b>	+/-5 % at 0—100% load
<b>Ripple &amp; Noise (mV p-p)</b>	300mV P-P
<b>Protections</b>	Over Current, Short Circuit, Over voltage protection
<b>Case Size</b>	115 x 52.5 x 30mm
<b>Weight (approx.)</b>	300g
<b>DC Cord</b>	1.2 Metres +
<b>DC Plug</b>	4 x 2.1 x 5.5 x 12mm +ve centre
<b>Rated Input Voltage</b>	100-240Vac
<b>Full Input Voltage Range</b>	90-264Vac
<b>Rated Frequency</b>	50-60Hz
<b>Full Frequency Range</b>	47-63Hz
<b>Efficiency</b>	Meets ErP stage 2

<b>Leakage Current</b>	shall not exceed mA
<b>Input Current (RMS Max.)</b>	max
<b>Hi-Pot Spec</b>	3000Vac 10mA 1 min. (I.P. to O.P.)
<b>No load power consumption</b>	Max 0.5W
<b>Operating Temperature</b>	0 to 40 degrees C
<b>Storage Temperature</b>	-20 to 80 degrees C
<b>Operating Humidity</b>	10% to 90%
<b>Safety Approvals</b>	see page 3
<b>EMC Standards</b>	See page 4
<b>Pb-free</b>	Yes RoHS Compliant
<b>MTBF</b>	50K Hours at 25 degrees C

[See cable details on page 2](#)

Full specification documents on each part included in this data sheet are available on request from PowerPax UK Ltd. PowerPax accepts no responsibility for typographical errors in the production of this leaflet. Product specifications are subject to change without notice

## 12vdc 5A Power Supply - 4 x output

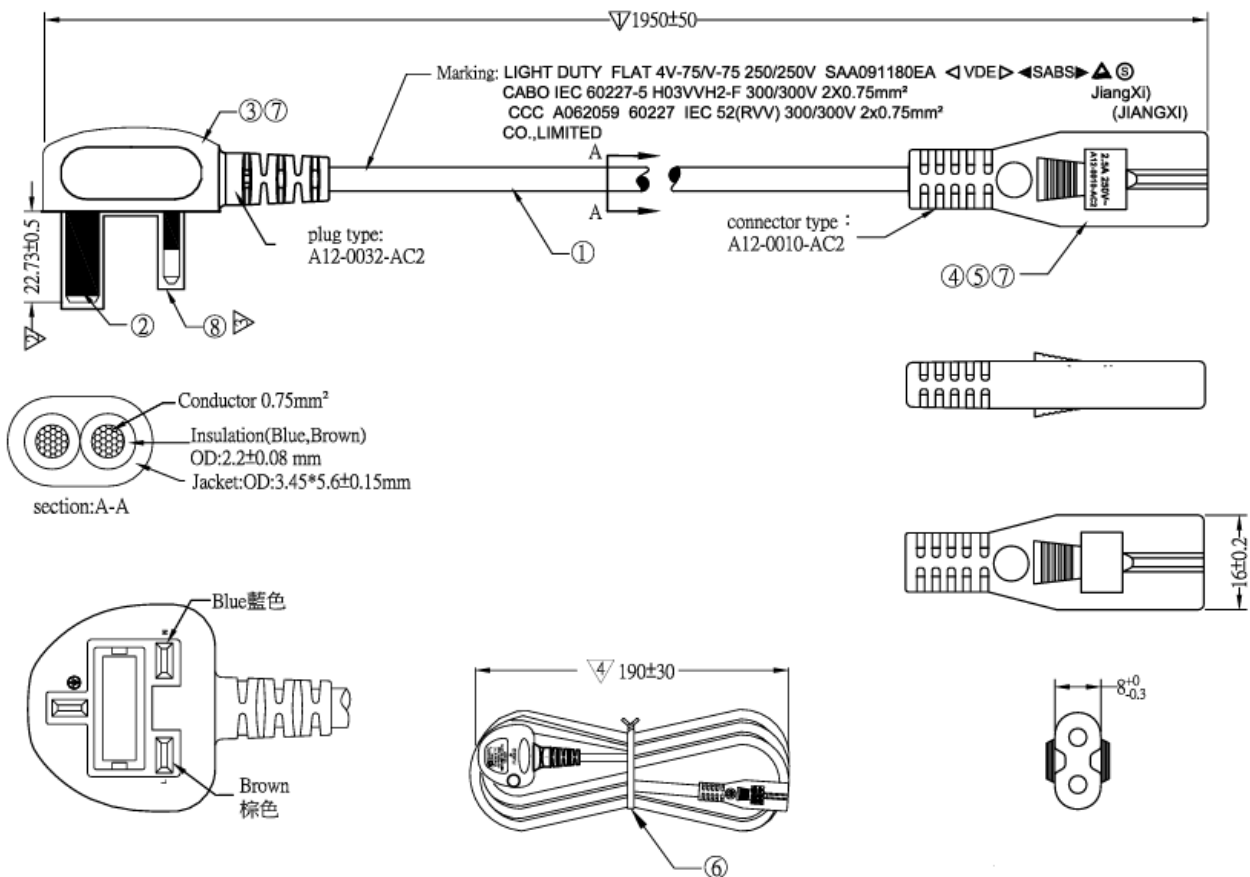
The power supply is fitted with a 1.2 metre DC output cable, then fitted with a 4 way splitter cable adding additional length as below. It is also supplied complete with a 1.95M UK mains cable to complete the kit

Part number C3704 (CPC order code PW03123)

Single input to 4 x 2.1mm output



### Mains cable spec

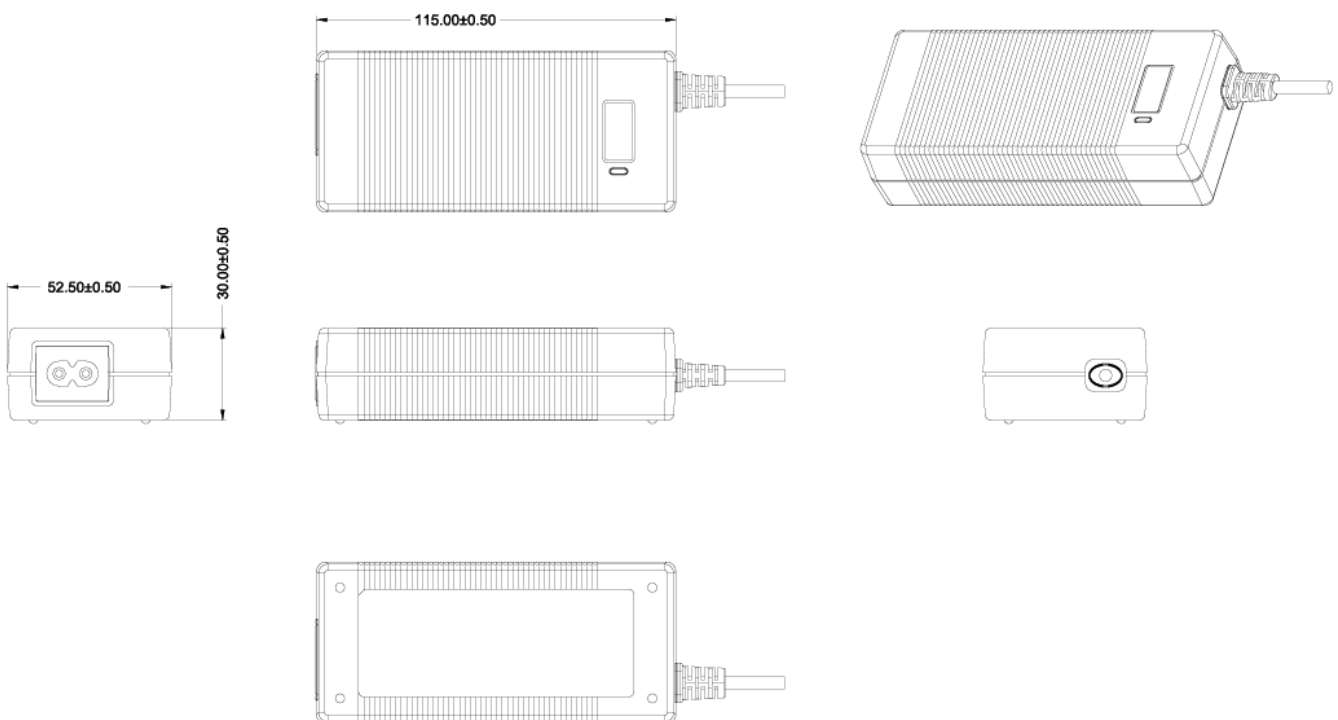


## 12vdc 5A Power Supply - 4 x output

### Safety standards

for short	Country	Certified Status	Standard/标准
UL	USA/美国	MEET	UL 60950-1
CSA	Canada/加拿大	MEET	CSA C22.2 NO.950
TUV	Europe/欧洲	MEET	TUV/VDE-EN60950-1
CE	Europe/欧洲	MEET	Declared& CE Mark
UK	Britain/英国	MEET	BS EN60950-1
GOST-R	Russia /俄罗斯	MEET	IEC60065
NRCan	Canada	MEET	CSA-C381.1-08
ErP	Europe/欧洲	MEET	2009/125/EC/(EN)No 278/2009
SAA	Australia/澳洲	MEET	IEC60950-1
CCC	CHINA	MEET	GB4943

### Dimensions



## 12vdc 5A Power Supply - 4 x output

### REGULATORY COMPLIANCE

#### EMC Specifications

The external power supply must meet all specification in this section. It is recommended that the external power supply be tested with the customer's equipment in order to get the best EMC solution.

#### Radiated and Conducted Emission

The power supply shall comply to:

FCC part 15: Class B for radiated and conducted emissions.

EN55022:2010, Class B for radiated and conducted emissions.

GB9254-2008, GB17625.1-2012

#### Immunity

##### Electrostatic Discharge Immunity

EN 55024:2010, EN 61000-4-2

- Air Discharge:  $\pm 8\text{kV}$
- Contact Discharge:  $\pm 4\text{kV}$
- Performance Criteria B

Electrostatic-discharge test by contact or air should be conducted with Static-discharge tester, energy storage capacitance of 150pF, and discharge resistance of  $330\Omega$ , 8KV air discharge, 4KV contact discharge.

##### Radiated Field Immunity

EN 55024:2010, EN 61000-4-3

Frequency Range: 80-1000MHz

Field Strength: 3 V/m with 80% amplitude modulation of 1kHz

Performance Criteria A

Radio-frequency electromagnetic field susceptibility test, RS 80-1000MHz, 3V/m, 80%AM(1KHz).

##### Fast Transient Immunity

EN 55024:2010, EN 61000-4-4

- Power line: 1kV
- Signal line: 0.5kV
- Performance Criteria B

##### Surge Immunity

EN 55024:2010, EN 61000-4-5

- 1.2/50 usec Open Circuit voltage
- 8/20 usec Short Circuit current
- Power line: 1Kv
- Line to Earth: 2Kv