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

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Part Numbers
Output
Current Min.
Power (watts)
Line Reg
Total Output Regulation
Ripple & Noise (mV p-p)
Protections
Case Size
Weight (approx.)
DC Cord
DC Plug
Rated Input Voltage
Full Input Voltage Range
Rated Frequency
Full Frequency Range
Efficiency

SW4618
12vdc regulated (5A max)
0.05A
60W Max
+/5% at rated load
+/5 % at 0—100% load
300mV P-P
Over Current, Short Circuit, Over voltage protection
115 x 52.5 x 30mm
300g
1.2 Metres +
4 x 2.1 x 5.5 x 12mm +ve centre
100-240Vac
90-264Vac
50-60Hz
47-63Hz
Meets ErP stage 2

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Sample name plate

Leakage Current
Input Current (RMS Max.)
Hi-Pot Spec
No load power consumption
Operating Temperature
Storage Temperature
Operating Humidity
Safety Approvals
EMC Standards
Pb-free
MTBF

shall not exceed mA
max
3000Vac 10mA 1 min. (I.P. to O.P.)
Max 0.5W
0 to 40 degrees C
-20 to 80 degrees C
10% to 90%
see page 3
See page 4
Yes RoHS Compliant
50K Hours at 25 degrees C

See cable details on page 2

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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.
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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

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Dimensions
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: ±8kV
- Contact Discharge: ±4kV
- Performance Criteria B
Electrostatic-discharge test by contract or air should be conducted with Static-discharge tester, energy storage capacitance of 150pF, and discharge resistance of 330Ω, 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