

WATT POWER SOLUTIONS

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WPPS15019 Desktop Data Sheet



The WPPS15019 is a grounded, single phase, power factor corrected, 150watt, single output 19v, fan cooled, switching adapter.

Input Voltage	90-264VAC 47-63Hz
Input Current	2.5A at 115VAC, 1A at 230VAC
Inrush Current	60A at 230VAC Cold start
Efficiency	>80% at 115VAC full load
Output Characteristics	19V 7.9A (150w max)
Voltage Regulation	+/-3%
Ripple and Noise	190mV max. 20MHz bandwidth, measured by using 0.1uF CC and 10uF/50V EC, bypassed at the output connector
Hold-up Time	16ms typical at full load 115VAC
Overload Protection	An overload protection will be effected when overloading reaches +160% MAX. The power supply will automatically recover.
Over Voltage Protection	20.9VDC to 23VDC. The power supply will latch off and will recover on recycling of the mains.
Short Circuit Protection	Short circuit occurring on the output will not cause any damage to the power supply, but will shut it down. The power supply will automatically recover on removal of the fault.
Safety	Dielectric withstand: Primary to Secondary 3000VAC for 60 seconds. Primary to Frame Ground 1500VAC for 60 seconds Insulation resistance: Primary to Secondary; 50 Meg. Ohms Min 500VDC Primary to Frame Ground 20Meg. Ohms Min. 500VDC
	UL 1950 CSA 22.2-234 TUV EN60950 IEC 950 CE: EMC & LVD

Electromagnetic Compatibility

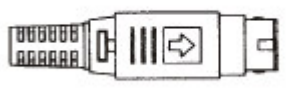
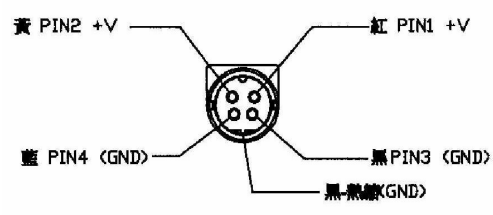
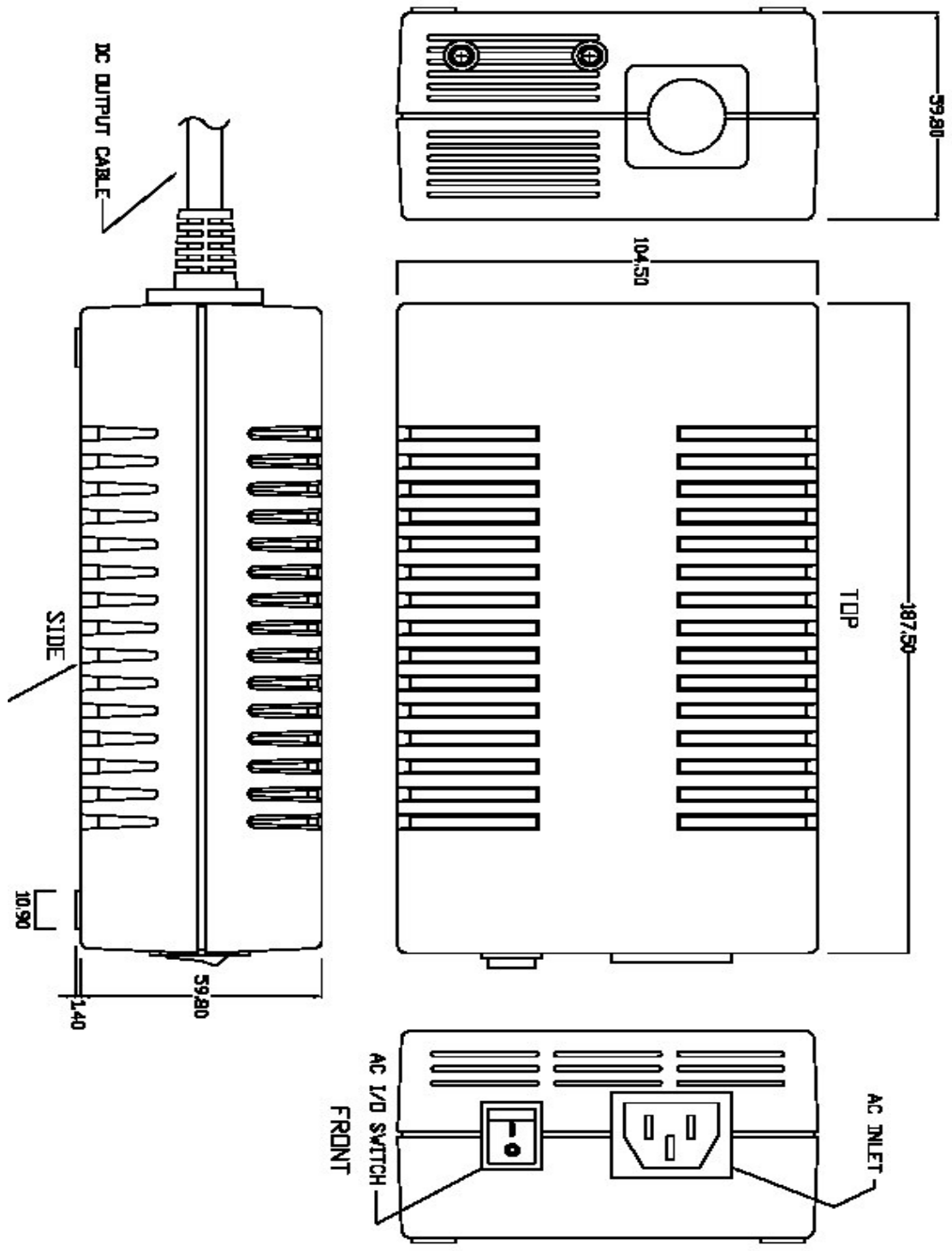
Test for conformance to this requirement will be performed with the host system.
The adapter shall comply to FCC rules and regulations Part 15, Subpart J. 'Class B' limits.
The adapter shall conform to the 'Class B' requirement of EN55022

Reliability

Operating temperature: 0 deg C to +40 deg C ambient.
Storage temperature: -25 deg C to +85 deg C
MTBF: 50,000 hrs minimum at maximum load for 25 deg C ambient temperature.
Burn-in test: 100% burn-in tested at maximum load under 40 +/-5 deg C

Mechanical Dimensions

187(L) x 105(W) x 60Hmm
Input connector IEC320-C13. On/Off switch. Output connector 4 pin Kycon. Lead length 1050 mm.



4 Pin Kycon Connector

