

WATT POWER SOLUTIONS

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WPPS10019 Desktop Data Sheet



The WPPS10019 is a grounded, single phase, 100 watt, single output 19v, vented, switching adapter

Input Voltage	90-264VAC	47-63Hz
Input Current	2A at 90VAC	
Inrush Current	60A at 230VAC Cold start	
Efficiency	80% at 110VAC full load	
Output Characteristics	19V 5.23A (100W 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	10ms 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	21.4VDC to 24.5VDC. The power supply will latch off and will recover on removal of the fault and the power reset manually.	
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	
Complies with 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. FCC requirements are complied 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: -10 deg C to +70 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 60(H) mm Input connector IEC320-C13. Output connector 2.5mm DC jack.	

Mechanical Layout

