

1000W AC-DC Power Supply



PLS1000-24 Low Cost 24V DC Power Supply

The PLS1000-24 is a low cost 24V 41.7A AC-DC power supply for Led lighting, CCTV camera security systems, charger cabinets, communications, 3D printers or any other electronic equipment requiring a bulk 24V DC supply, where low cost is crucial.



Specification	
Input Voltage Range	100-264VAC 50/60Hz
Power Factor	>0.9
Maximum Input Current	12 Amps
No Load Input Power	≤3 Watts
Inrush Current	60A max
Earth Leakage Current	0.25mA
Output Voltage	24 Volts
Output Current	41.7A(peak current 45 A)
Output V Adjustment	+/-5% (22.8V-25.2V)
Minimum Load	none required
Turn on Delay	5 seconds max
Output Hold UP Time	10ms (full load)
Line Regulation	+/- 4%
Load Regulation	+/-1%
Transient Response	0.5ms
Ripple and Noise	≤350mV
Over Voltage Protection	standard
Short Circuit Protection	standard
Over Load Protection	standard
Over Temperature Protection	standard
Operating Temperature	0 to 40C
Efficiency	≥85%
MTBF figures	50,000 hours
EMC/EMI	EN 55032:2015+A1:2020, EN 55035: 2017+A11: 2020 EN IEC 61000-3-2:2019 +A1:2021, EN61000-3-3:2013+A2:2021
Safety Approvals	CE EN IEC 62368-1: 2020+A11: 2020, cETLus listed
Dimensions	234*120*40mm

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Mechanical Drawing in mm

