



CE RoHS



IPD30 SERIES CLASS I

30 Watt ITE Desktop Power Supply

- Safety Approval EN60950-1 Class I
- High Efficiency: Level VI
- Hold-up Time >12ms at full load
- Fully Regulated DC output
- EuP Directive Compliant
- LED Indicator
- 1-Year Limited Warranty

Model Number	Output Voltage	Output Current	Total Regulation ¹	Typical Efficiency ²
IPD3012-760	12.0V	2.5A	±5%	89.2%
IPD3015-760	15.0V	2.0A	±5%	89.5%
IPD3018-760	18.0V	1.7A	±5%	89.8%
IPD3019-760	19.0V	1.6A	±5%	89.9%
IPD3024-760	24.0V	1.25A	±5%	90.6%

Notes

1) Includes initial setting, line regulation, load regulation, and thermal drift.

2) Typical at 115VAC

INPUT

Input Voltage	85 – 264VAC 100 – 240VAC Nominal	
Input Frequency	47 – 63Hz	
Input Current	<1.0A rms	
Inrush Current	<60A at 230VAC cold start	
Zero Load Power Consumption	<0.1W	
Earth Leakage Current	<100µA @ 132VAC @ 60Hz	
(Typical)	<150µA @ 264VAC @ 60Hz	

OUTPUT	
Output Voltage	See Table
Total Regulation	+/-5%
Minimum Load	No minimum load required
Start-Up Delay	<2.0s
Hold-Up Time	>12ms at any input voltage
Ripple & Noise	<1% pk-pk **
Over Voltage Protection	112 – 135%
Over Temperature Protection	First Stage - Recoverable; plus 2nd stage - Non Recoverable
Over Current Protection	108 – 180%
Short Circuit Protection	Shutdown, auto-restart (hiccup mode)

Notes

**Ripple and noise measured with 20MHz bandwidth; 10µF tantalum capacitor in parallel with a 0.1µF ceramic capacitor.

Inventus Power Technical Support: powersupplies@inventuspower.com

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General		
Efficiency	Avg. Efficiency 90.7% @ 115VAC; 89.8% @ 230VAC	
MTBF	min. 100,000 hours calculated	
Size	3.53" (89.6mm) x 1.92" (48.4mm) x 1.00" (25.2mm)	
Weight	0.3 lbs (0.16 Kg)	
Power Density	2.95W/in ³	

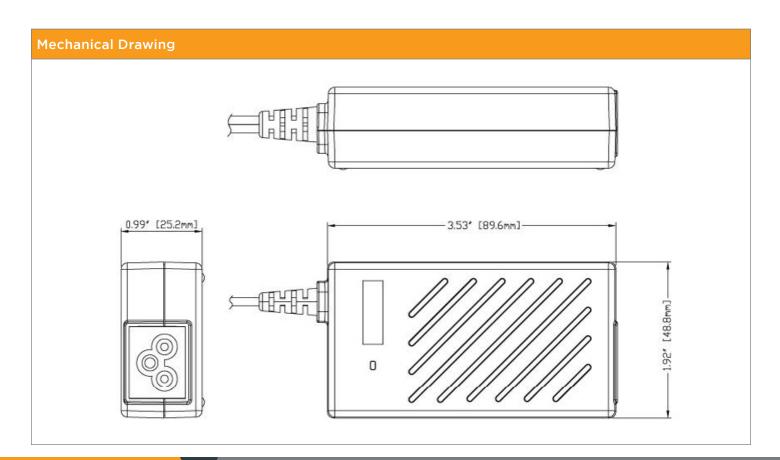
Environmental		
Operating Temperature	$0 - 60^{\circ}$ C (Full load to 40° C, derate linearly to 50% load at 60° C)	
Storage Temperature	-40°C to +85°C	
Relative Humidity	5-95%, non-condensing	
Cooling	Natural Convection	
Altitude (Operating)	Rated to 5000M	

EMC & Safety		
Emissions	FCC class B, CISPR22 class B EN6100-3-2, 3	
Immunity	EN61000-4-2, -3, -4, -5, -6, -8, -11	
	cTUVus	
	UL 606950-1	
Certified by	CAN/CSA-22.2 No.950	
TUV to the following:	CB per IEC60950-1 2nd edition	
	CE marked to LVD directive and RoHS II directive	

Input Configuration		
Standard Input Cable	Not Provided	
Connection on Power Supply Body	IEC 320 C6 Receptacle	

Output Configuration		
Standard Output Cable	4ft	
Cord Size	2x16awg zip	
Connector (PSU side)	Switchcraft 760 or equivalent	
Mating Connector	Switchcraft 760 or equivalent	

Output Pin Assignments		
Center	+V1	
Outside	Return	
Rtn + V		



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