



# 90W Desktop Series Power Supply

## Features:

- \* Universal AC Input 100 - 240Vac
- \* Output Voltage: 12-48Vdc
- \* Regulated Output With Low Ripple Noise
- \* Safety Agency Requirements and EMI/EMS Certified
- \* Short Circuit, Over Voltage & Over Current Protections



Input	
Voltage (Vac)	100-240
Maximum Current (Amp)	1.2
Line Frequency (Hz)	50-60
Configuration	IEC60320/C6(PSD Series), C14 (PS Series)

Output	
Load Regulation	+5% (Typical)
Ripple	1 - 2% Vp-p Max. for output voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Holding Time	10mS @ Full Load
Protection	Short Circuit Protection; Over Voltage Protection; Over Current Protection
DC Cord	22AWG / 18AWG / 16AWG
Ferrite Core	Yes

Electrical	
Topology	Switching Flyback
Dielectric Withstand	3000 VAC Primary - Secondary
Leakage Current	3.5mA
Efficiency	DoE Level VI, Energy Star, ErP Stage 2, NRCAN & GEMS Level VI Certified
EMI Conduction & Radiation	Compliance to EN55022 Class B
Harmonic Current	Compliance to EN61000-3-2,3
EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25 degree celsius by Telcordia SR-332

Environmental	
Operating Temperature	0 to +40 degree celsius
Storage Temperature	-20 to +80 degree celsius
Operating Relative Humidity	20 to 80% RH
Storage Relative Humidity	10 to 90% RH

Safety	
Certified with CB / UL / cUL / FCC / GS / CE / PSE / BSMI / CCC / RCM / LPS	

PART NUMBER	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (Amp)	WATTAGE (W)
PS-1270APL05	12	7	84
PS-1270APL06	12	7	84
PS-1270APL09-3	12	7	84
PS-1560APL05	15	6	90
PS-1560APL06	15	6	90
PS-1656APL05	16	5.6	90
PS-1656APL06	16	5.6	90
PS-1850APL05	18	5	90
PS-1850APL06	18	5	90
PS-1947APL05	19	4.7	90
PS-1947APL06	19	4.7	90
PS-2045APL05	20	4.5	90
PS-2045APL06	20	4.5	90
PS-2437APL05	24	3.7	90
PS-2437APL06	24	3.7	90
PS-3030APL05	30	3	90
PS-3030APL06	30	3	90
PS-4818APL05	48	1.8	90
PS-4818APL06	48	1.8	90