

# 120W Series Power Supply

**A90-Desktop Type**  
12-24V MAX. 120W



**SAFETY APPROVALS** | CE, FCC

## FEATURES

100-240VAC Universal Input  
Meet CEC, Energy Star 3.0 (EPA/DOE—Level VI)  
3 Years Warranty

Model	O/P Voltage	O/P Current	Watt	Model	O/P Voltage	O/P Current	Watt
A90-120008000	12.0V	8A	96W	A90-180005000	18.0V	5A	90W
A90-120010000	12.0V	10A	120W	A90-190006320	19.0V	6.32A	120W
A90-140008000	14.0V	8A	112W	A90-200006000	20.0V	6A	120W
A90-150008000	15.0V	8A	120W	A90-240005000	24.0V	5A	120W
A90-160007500	16.0V	7.5A	120W				

## INPUT CHARACTERISTICS

Rated Input Voltage ..... 100-240V AC  
 Rated Frequency ..... 50/60Hz  
 Steady AC Current ..... 1.8A(Max) Measured at 100Vac input and maximum load  
 Inrush Current ..... Less than 80A  
 Empty Loaded Wasting ..... 150mW

## SAFETY STANDARDS

LVD ..... UL62368-1/UL60950-1  
 IEC62368-1/IEC60950-1 EN62368-1  
 EMC & EMI ..... EN55022 EN55024 EN61000-3-2  
 EN61000-3-3 EN61000-3-3

## RELIABILITY ITEMS

Hi-Pot Test ..... AC 3000V1min between input plug-DC plug  
 Leakage Current ..... 3.5mA max at nominal AC input voltage and frequency  
 Temperature Rise ..... Case surface rise 95 °C or less

## OUTPUT CHARACTERISTICS

Power ..... 120W MAX  
 Load Regulation ..... ±5%  
 Turn on delay time ..... 3s Max at AC 115V, Max output load  
 Hold up time ..... 5ms Min at AC 115V, Max output load  
 Rise up time ..... 40ms Max at AC 115V, Max output load  
 Efficiency ..... Meet CEC, Energy Star 3.0 (EPA/DOE—Level VI)

## PROTECTION

Over Voltage Protection ..... Auto Recovery  
 Short Circuit Protection ..... Auto Recovery  
 Over Current Protection ..... Auto Recovery  
 Protection Class ..... Class I

## ENVIRONMENTAL

Operation Temperature ..... -10 °C – 40 °C  
 Storage Temperature ..... -25 °C – 70 °C  
 Operation Humidity ..... 5%( 0°C) ~ 90%( 40°C)  
 Storage Humidity ..... 5%~ 95%

## MECHANICALS

Cable UL1185#18AWG, 1750mm	Case Material UL94-V1	IEC-320-C14	Case Dimension	Weight
			L141.2*W55.4*H31.2mm	340g (Ref.)