

120W Series Power Supply

A90-Desktop Type
12-24V 10A 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.)