

# 90W Series Power Supply

**A159A-Desktop Type**  
14-56V 6A MAX 90W



**SAFETY APPROVALS** | UL, TUVGS, CB, CE, FCC, RCM, PSE

## 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
A159A-140006000	14.0V	6A	84W	A159A-200004500	20.0V	4.5A	90W
A159A-150006000	15.0V	6A	90W	A159A-240003750	24.0V	3.75A	90W
A159A-160005000	16.0V	5A	80W	A159A-420002000	42.0V	2A	84W
A159A-180005000	18.0V	5A	90W	A159A-480001875	48.0V	1.875A	90W
A159A-190004740	19.0V	4.74A	90W				

## INPUT CHARACTERISTICS

Rated Input Voltage ..... 100-240V AC  
 Rated Frequency ..... 50/60Hz  
 Steady AC Current ..... 2.5A(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 ..... EN55032 EN55024 EN61000-3-2 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 ..... 90W 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	Case Material	IEC-320-C6	Case Dimension	Weight
UL1185#18AWG, 1750mm	UL94-V1			
			L127.5*W51.5*H32mm	353g (Ref.)