

NEW

Level VI

CoC Tier 2

GaN FET Technology 90 Watt I.T.E. Series

Small Size Desktop Type

ATS090TS - P X X X

P : C6 / C14 ← → O / P Voltage



1.6X Smaller!



Green Mode
CEC, DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCAN & GEMS Level VI
No Load Power Consumption Less Than 0.15W

- Features :**
- IEC/EN/UL 62368-1 & IEC 60950-1
 - 100-240 VAC Universal Input
 - Gallium Nitride Based Design
 - High Power Density : 6.8W / in³
160% higher than traditional adapter (4.2W / in³)
 - With 230kHz Switching Frequency
 - Efficiency up to 94%
 - Regulated Output with Low Ripple Noise
 - Modified and Custom Design Available
 - 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS090TS-P120	12.0V	7.50A	90W
ATS090TS-P150	15.0V	6.00A	90W
ATS090TS-P190	19.0V	4.74A	90W
ATS090TS-P200	20.0V	4.50A	90W
ATS090TS-P240	24.0V	3.75A	90W
ATS090TS-P480	48.0V	1.88A	90W
ATS090TS-P560	56.0V	1.60A	90W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.2A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6, C14

※ Under Development

Output	
Load Regulation	±5% (Typical)
Ripple & Noise	1% Vp-p Max. for Output Voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection
DC Cord	18AWG / 16AWG / 14AWG

Safety Approvals
CB / UL / cUL / FCC / GS / CE / PSE / BSMI

Electrical	
Topology	LLC
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	3.5mA @ 3Pin
EMC Standards	EN55032
	EN61000-3-2,3
	EN55024
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental	
Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L 132 x W 51 x H 32 (mm)
Weight	350g (Ref.)