



KTPS90 Series

90 Watt Universal Input, Desktop Adapter

INPUT SPECIFICATIONS

All specifications are typical at nominal input, full load.

INPUT SPECIFICATIONS

Input Voltage	AC 100 – 240VAC
Input Frequency	50 – 60Hz
Input Current	1.2A Max
Protection	Internal Primary Current Fuse Inrush Limiting

OUTPUT SPECIFICATIONS

Output Voltage	See Chart
Efficiency	CEC Level V, ErP Stage 2
Protection	Short Circuit Protection
	Over Current Protection
	Over Voltage Protection
Ripple	1 - 2 % Vp-p (max)
Hold-Up Time	10 mS (min)
Transient Response	0.5mS for 50% Load Change(typ)
Load Regulation	± 5% (typ)
Leakage Current	0.25mA @ 2 pin 3.5mA @ 3 pin

GENERAL SPECIFICATIONS

MTBF(Calculated)	50,000 Calculated hours at 25°C by MIL-HDBK-217F
Dielectric Withstanding Voltage	3,000 VAC Primary – Secondary
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
Safety Approvals	UL/cUL/CE/CB/GS/PSE/FCC



FEATURES

- UNIVERSAL INPUT (AC100-240V)
- CEC LEVEL V
- OVER VOLTAGE PROTECTION
- OVER CURRENT PROTECTION
- SHORT CIRCUIT PROTECTION
- ROHS COMPLIANT

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	0°C~+40°C
Storage Temperature	-20°C ~ +80°C
Cooling.	Convection
Operating Humidity	20 – 80% Rh
Storage Humidity	10 – 90% Rh

MECHANICAL SPECIFICATIONS

Case Dimension	L139 x W61 x H36(mm)
Input Configuration	IEC320-C6 (Optional C14)
DC Cord	18AWG (Optional 16 & 14 AWG)
Output Connector	5.5 x 2.5 x 9.5 mm C+

Model Number	Output Voltage	Output Current	Max Output Power
KTPS90-1207	12.0V	7.00A	84W
KTPS90-1506	15.0V	6.00A	90W
KTPS90-1656	16.0V	5.60A	90W
KTPS90-1805	18.0V	5.00A	90W
KTPS90-1947	19.0V	4.74A	90W
KTPS90-2045	20.0V	4.50A	90W
KTPS90-2437	24.0V	3.75A	90W

Mechanical Drawing:

