KTPS90 Series

DoE Level VI

90 Watt DoE Level VI
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	DoE Level VI, Energy Star, ERP Stage 2, & GEMS Level VI Certified
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)	300,000 Calculated hours at 25°C by Telcordia SR-332
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)
- DoE LEVEL VI
- 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+

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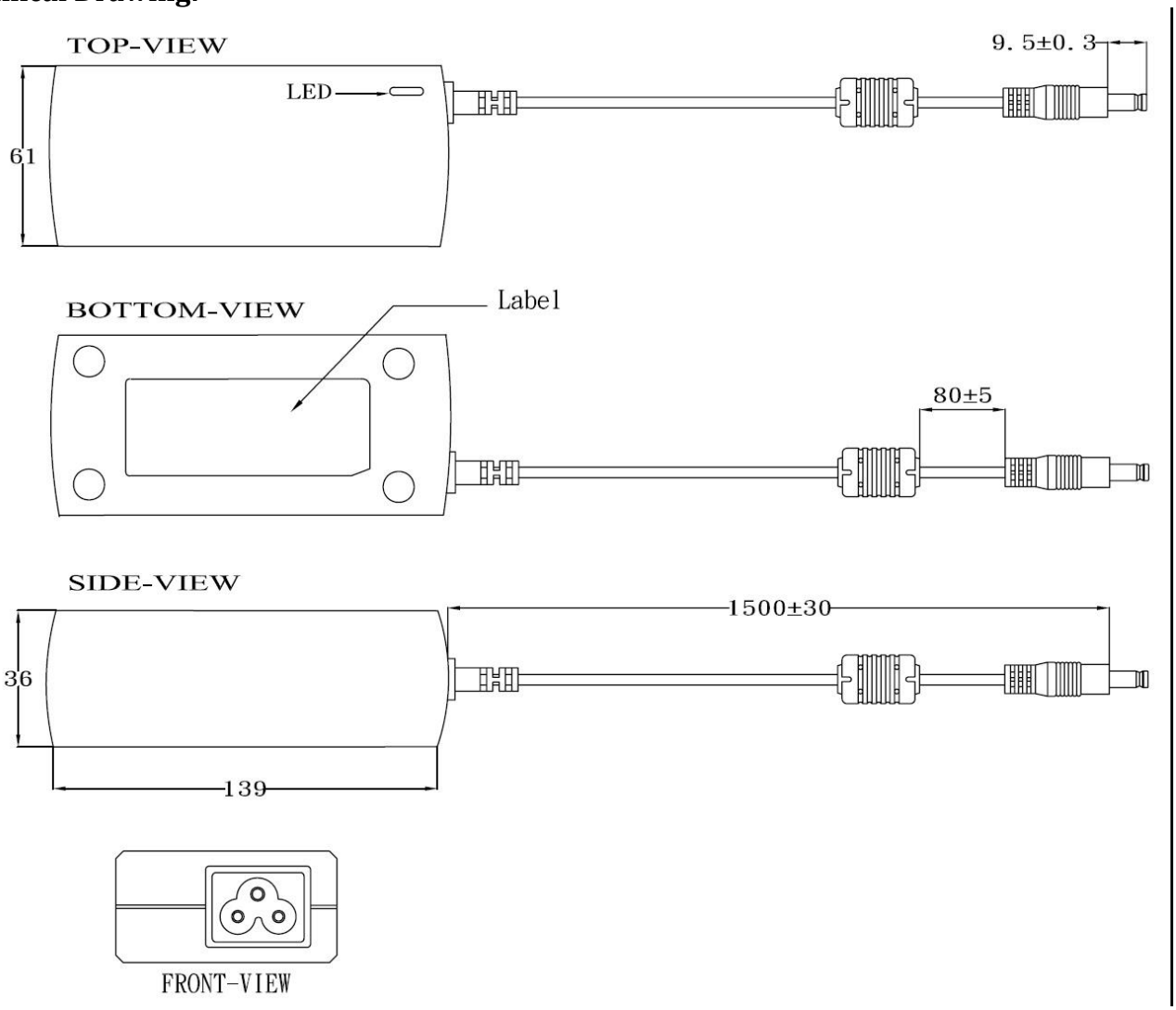
Model Number	Output Voltage	Output Current	Max Output Power
KTPS90-1207	12.0V	7.00A	84W
KTPS90-1506	15.0V	6.00A	90W
KTPS90-1656	16.0V	5.60A	90W
KTPS90-1805	18.0V	5.00A	90W
KTPS90-1947	19.0V	4.74A	90W
KTPS90-2045	20.0V	4.50A	90W
KTPS90-2437	24.0V	3.75A	90W
KTPS90-3030	30.0V	3.00A	90W
KTPS90-4818	48.0V	1.88A	90W

Mechanical Drawing:



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