

■ Features

- Single output from 90W
- 100-240Vac Universal input
- Constant Voltage Type
- Efficiency Level VI
- No load consumption <0.5W
- Class I Power(with earth pin)
- OLP, OTP, SCP and OVP
- IEC60320-C14 Inlet
- MTBF: 405.6Khrs
- Dimension: 120x52x31.5mm



■ Application

- Consumer electronics and office equipment
- Industrial equipment

*Product images are for illustrative purposes only and may vary from actual design.

Custom Designs Available!

■ Model List

Model	Power	Output Voltage	Output Current	Ripple & Noise	Efficiency	Tolerance	Load Regulation
DT090E-050-V-XX	90W	5V	12A	150mVp-p	80%	±5%	±5%
DT090E-120-V-XX	90W	12V	6.67A	80mVp-p	88%	±5%	±5%
DT090E-150-V-XX	90W	15V	6A	100mVp-p	89%	±5%	±5%
DT090E-190-V-XX	90W	19V	4.74A	150mVp-p	89%	±4%	±4%
DT090E-240-V-XX	90W	24V	3.75A	180mVp-p	89.5%	±3%	±3%
DT090E-480-V-XX	90W	48V	1.87A	240mVp-p	91%	±2%	±2%

■ Technical Data

Input Voltage Rating	100-240Vac
Frequency Range	47-63Hz
Input Current	1.3A@115Vac, 0.6A@230Vac
Inrush Current	30A max. @115Vac, 65A max. @230Vac Cold Start
Leakage Current	Touch Current <100A@264Vac
Set up, rise time	1000mS, 50mS@230Vac; 1500mS. 50mS @115Vac full load
Hold up time	50mS@230Vac; 15mS@115Vac full load
Operating Temp. & Humidity	-20°C to +50°C, 20%-90% RH non-condensing
Storage Temp. & Humidity	-25°C to +75°C, 10% -95% RH
Temp. Coefficient	±0.03%/°C(0 to 40°C)
Vibration resistance	10-500Hz, 2G 10min./1 Cycle, period for 60 min. each along X, Y, Z axes
Withstand Voltage	I/P-O/P: 3K Vac I/P-PG: 0.5K Vac
Over Temp. Protection	Shut down O/P voltage, re-power to recover

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■ Technical Data(cont.)

Over load protection	>110%-150% hiccup mode, Auto recovery
Over Voltage Protection	>115%-135% hiccup mode, Auto recovery
MTBF	405.6Khrs MIL-HDBK-217F (25°C)
Dimensions	120x52x31.5mm
Packing	0.45Kg

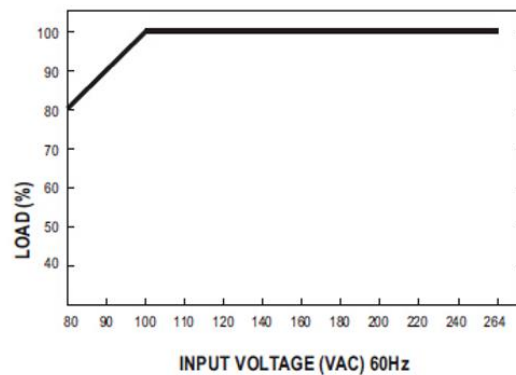
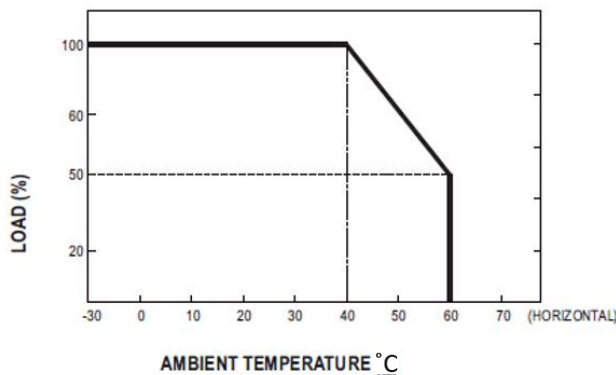
■ Safety & EMC

Safety Standards	Compliance to EN60950-1 ,CCC GB4943, J60950-1
EMC Standard	Compliance to EN55022 class B EN61000-3-2.3 EN61000-4-2,3,4,5,6,8,11

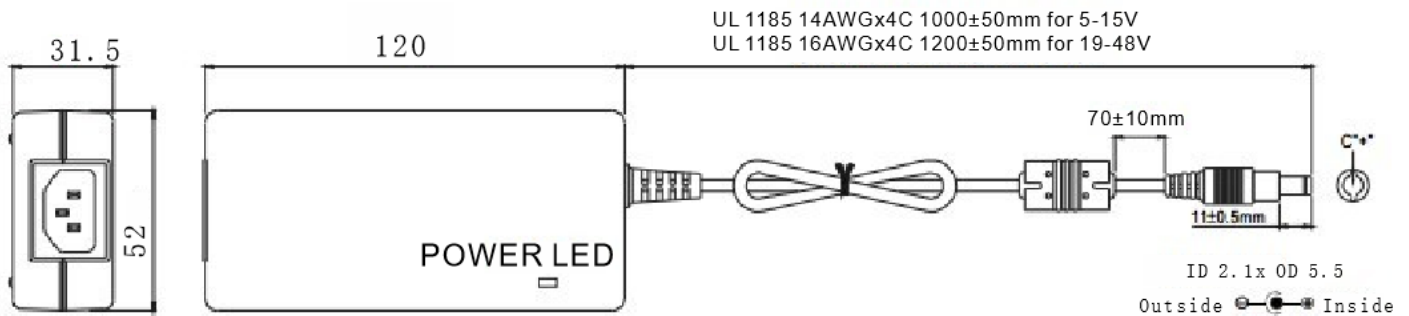
Disclaimer:

Autec Power Systems' (Autec) LED Drivers are Hi-Pot tested during the manufacturing process. Autec assumes no responsibility for secondary Hi-Pot testing at customer location or designated production line(s). Should customer require further Hi-Pot testing, at their own production line, following assembly of the LED Driver into the customer's assembled fixture, Autec requests advance notice. This request must be communicated to Autec in a timely manner and is recommended to be requested at time of issuing each purchase order.

■ Derating Curve

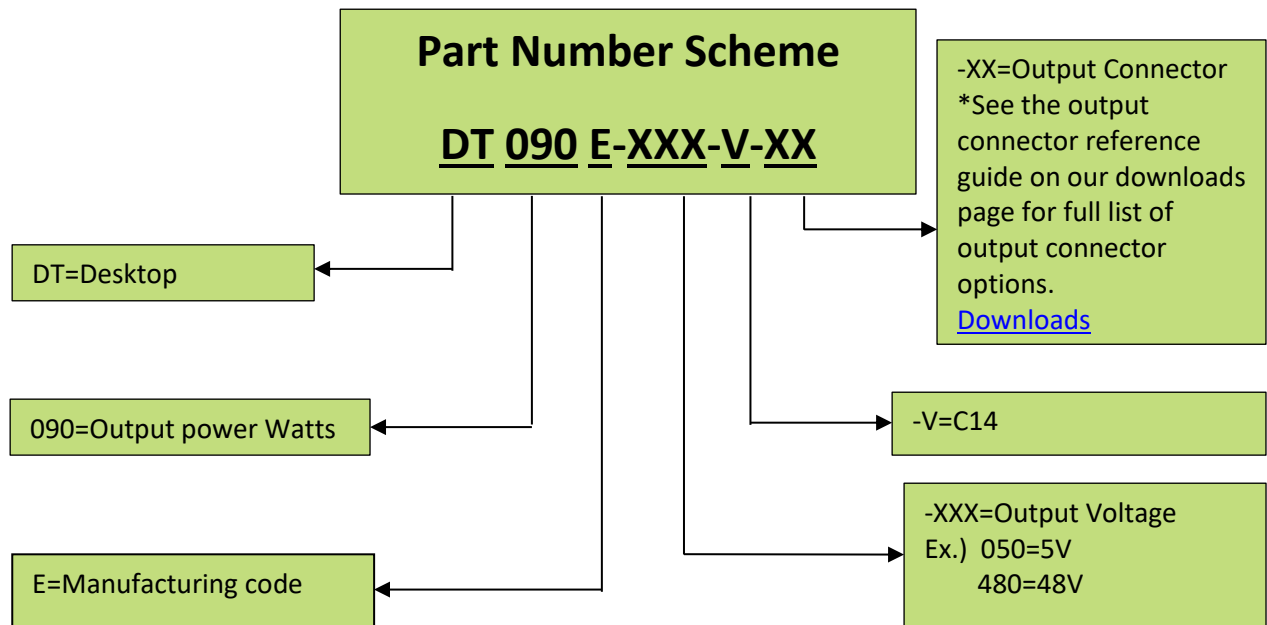


■ Mechanical Diagram



Output Connector -2 shown. -V not connected to AC FG
 See Output Connector Guide for all options.

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***Some Safety Agency Approvals may differ from what is shown. Contact Autec Sales!**

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***Specifications are subject to change without notice. Autec is not responsible for issues arising from errors or omissions.**