

■ Features

- Single output from 84-90W
- 100-240Vac Universal input
- IEC62368-1 approval
- Efficiency Level VI
- SCP, OVP, OCP, and OTP
- 2-year warranty
- Dimension Class I: 160*64*35mm Class II: 151*64*35mm

■ Application

- Industrial Grade equipment
- Suitable for High-Altitude applications(to 5000M)

■ Model List

Model	Output Voltage	Output Current	Power
DT090A-120-X-XX-HA*	12V	7A	84W
DT090A-150-X-XX-HA*	15V	6A	90W
DT090A-180-X-XX-HA*	18V	5A	90W
DT090A-190-X-XX-HA	19V	4.74A	90W
DT090A-240-X-XX-HA	24V	3.75A	90W
DT090A-480-X-XX-HA	48V	1.88A	90W
DT090A-560-X-XX-HA	56V	1.6A	90W

*Add -MX for 6-Pin Power Type Molex Output connector

■ Technical Data

Voltage	100-240Vac
Line Frequency	50-60Hz
Protection	Internal Primary Current Fuse
Configuration	IEC60320/ C8, C14
Load Regulation	±5% (Typical)
Ripple	2% Vp-p Max. for Output Voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Topology	Switching Flyback
Over Voltage Protection	V out *120-150% Max.
Short Circuit Protection	Shut down
Over Current Protection	I out *120-150% Max.
Over Temperature Protection	Latch Protection
Dielectric Withstand	4000Vac Primary-Secondary
Leakage Current	<100μA
Efficiency	DoE Level VI, Energy Star, ErP Stage 2 Certified



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

Custom Designs Available!

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■ Technical Data(cont.)

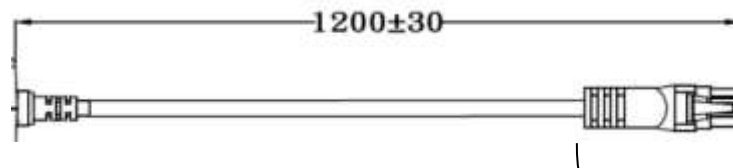
MTBF	300,000 calculated hours at 25°C, by Telcordia SR-332
Operating Temperature	0 to + 40°C
Storage Temperature	-20 to 80 °C
Relative Humidity Operating:	20 to 80% RH
Relative Humidity Storage	10 to 90% RH
Cooling	Natural Convection Cooling
Case Dimension Class I	160x64x35mm
Case Dimension Class II	151x 64x35mm
Weight Class I	460g
Weight Class II	450g
Molex Plug	6-Pin Housing Molex 39-01-2060 Connector or similar
Material Flammability	UL94V-0

Note: When Over Current Protection is activated, the power supply will shut down automatically. Once the abnormal condition resulting in the failure being removed, the power supply will restart. When Over Voltage Protection or Over Temperature Protection is activated, the power supply will latch.

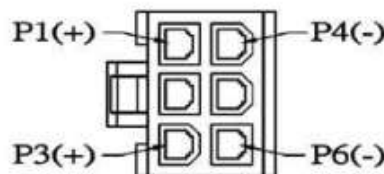
■ Safeties/EMI

Safety Standard	IEC62368-1
EMI Conduction and Radiation	Compliance to EN55011 Class B
Harmonic Current	Compliance to ENC61000-3-2,3
EMS Immunity	Compliance to IEC60601-1-2

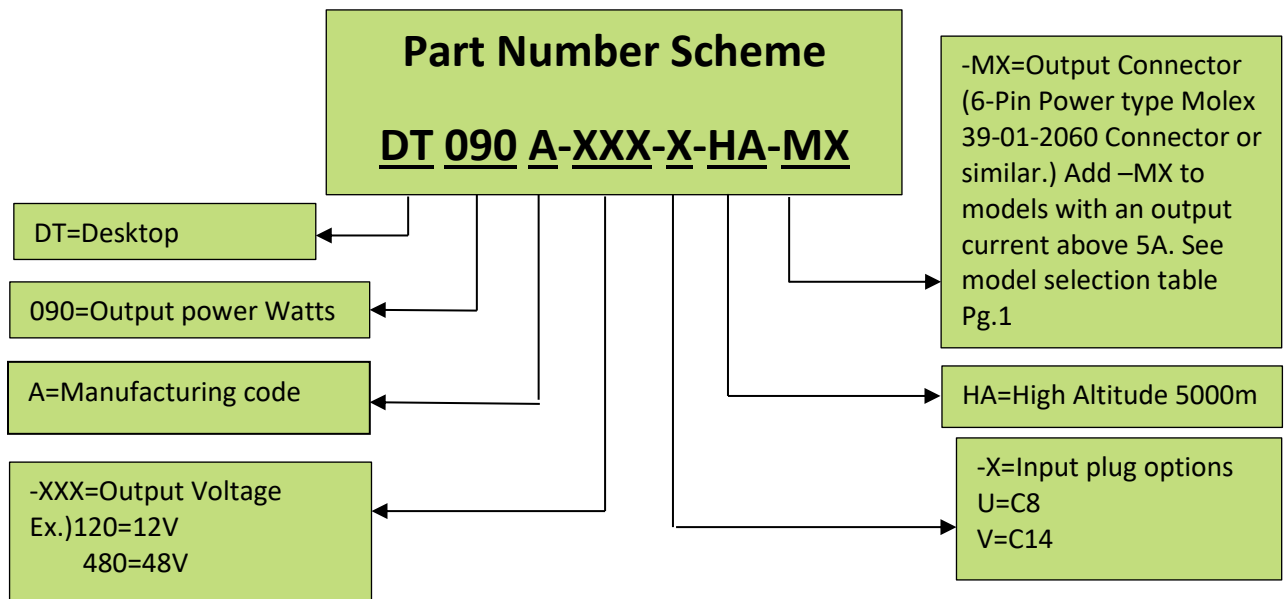
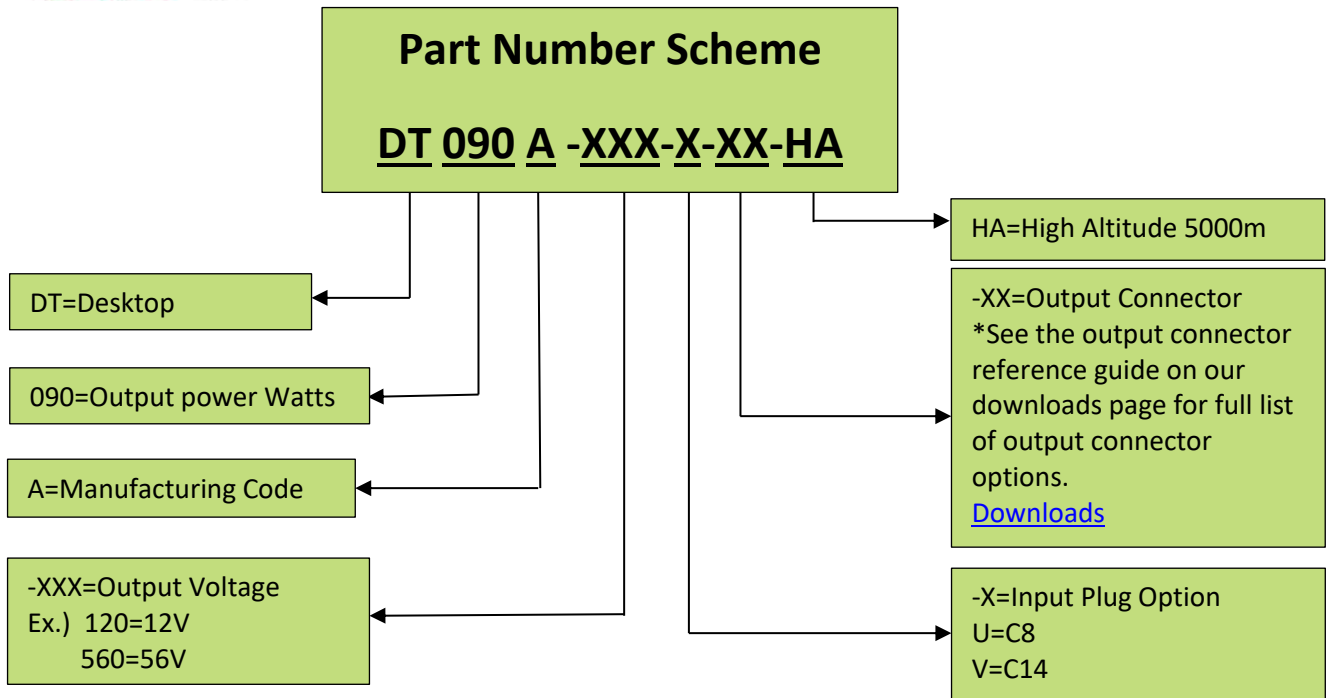
■ DC Output Cable Mechanical Diagram



*Molex 39-01-2060 Connector or similar for models with an output current of 5A and above.



Output Cable Plug Pin Assignment



***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.**

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