

■ Features

- Single output from 36-50W
- 100-240Vac Universal input
- Certificates: UL, cUL, CE
- SCP, OCP, and OVP
- Efficiency Level VI
- MTBF: 300,000 hours
- Dimensions: 115x53x38mm
- 1 year Warranty



■ 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	Output Voltage	Output Current	Power	Certificates
DT050A-050-X-XX*	5V	10A	50W	UL, cUL, CE
DT050A-090-X-XX	9V	4A	36W	UL, cUL, CE
DT050A-091-X-XX*	9V	5A	45W	UL, cUL, CE
DT050A-120-X-XX	12V	3.3A	40W	UL, cUL, CE
DT050A-121-X-XX	12V	4.2A	50W	UL, cUL, CE
DT050A-135-X-XX	13.5V	3.71A	50W	UL, cUL, CE
DT050A-150-X-XX	15V	3.34A	50W	UL, cUL, CE
DT050A-180-X-XX	18V	2.78A	50W	UL, cUL, CE
DT050A-190-X-XX	19V	2.64A	50W	UL, cUL, CE
DT050A-240-X-XX	24V	2.1A	50W	UL, cUL, CE
DT050A-480-X-XX	48V	1.05A	50W	UL, cUL, CE

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

■ Technical Data

Input Voltage	100-240Vac
Line Frequency	50-60Hz
Input Current	1.2A
Input Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6, 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
Ferrite Core	Optional

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■ Technical Data(cont.)

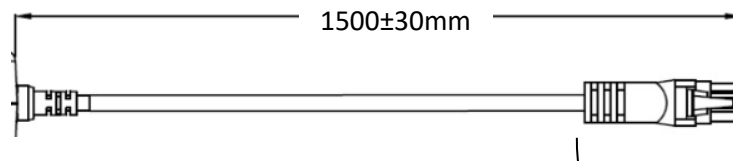
Topology	Switching Flyback
Over Voltage Protection	V out *120-150% Max.
Short Circuit Protection	Shut down
Over Current Protection	I out *120-150% Max.
Over Temperature Protection	Latch Protection
Dielectric Withstand	3,000Vac Primary-Secondary
Leakage Current	0.25mA@2Pin / 3.5mA@3Pin
MTBF	300,000 Calculated Hours at 25°C, by Telcordia SR-332
DC Cord	22AWG/20AWG/18AWG/16AWG
Operating Temperature	0 to +40°C
Storage Temperature	-20°C to +80°C
Operating Relative Humidity	20 to 80% RH
Storage Relative Humidity	10 to 90% RH
Cooling	Natural Convection Cooling
Case Dimensions C8	115x53x38mm
Weight	255g(typ)
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.

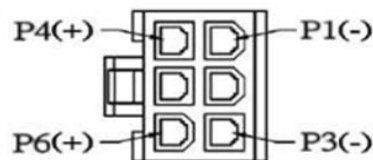
■ Safety Approvals

Safety Standard	IEC62368-1
EMI Conduction & Radiation	Compliance to IEC55032 Class B
Harmonic Current	Compliance to EN61000-3-2,-3
EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11

■ DC Output Cable Mechanical Diagram



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



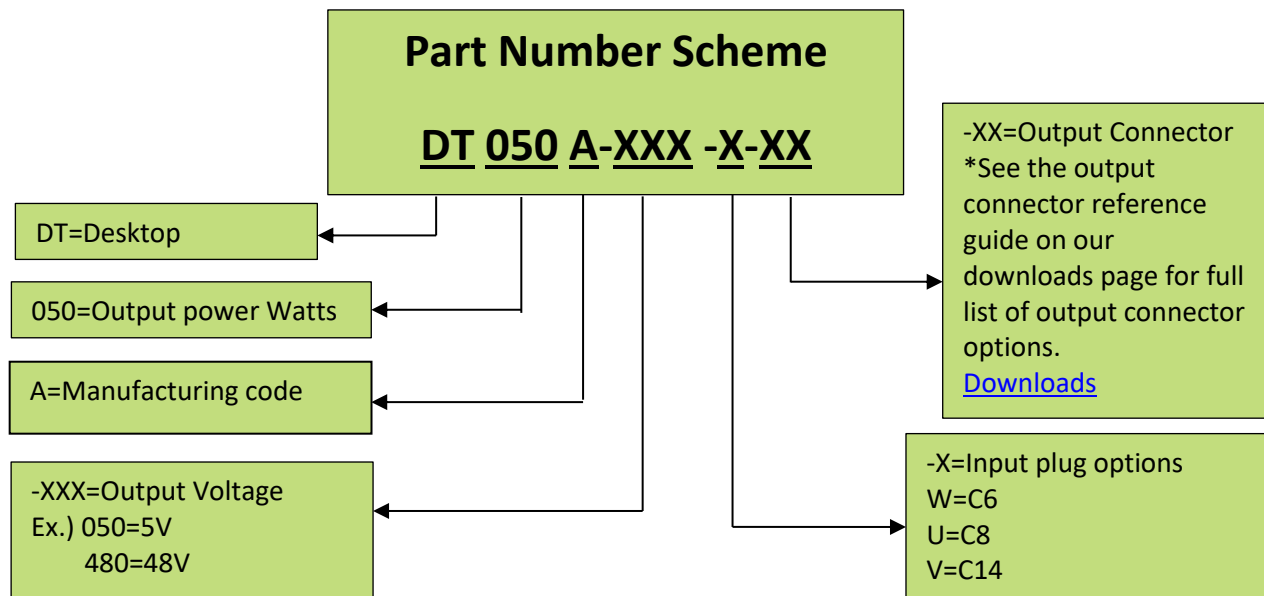
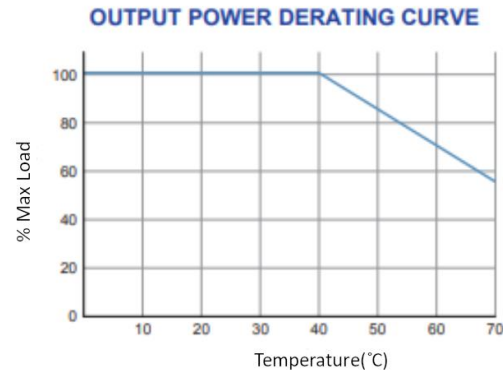
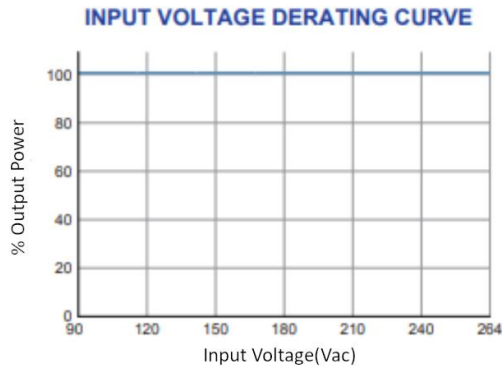
Output Cable Plug Pin Assignment

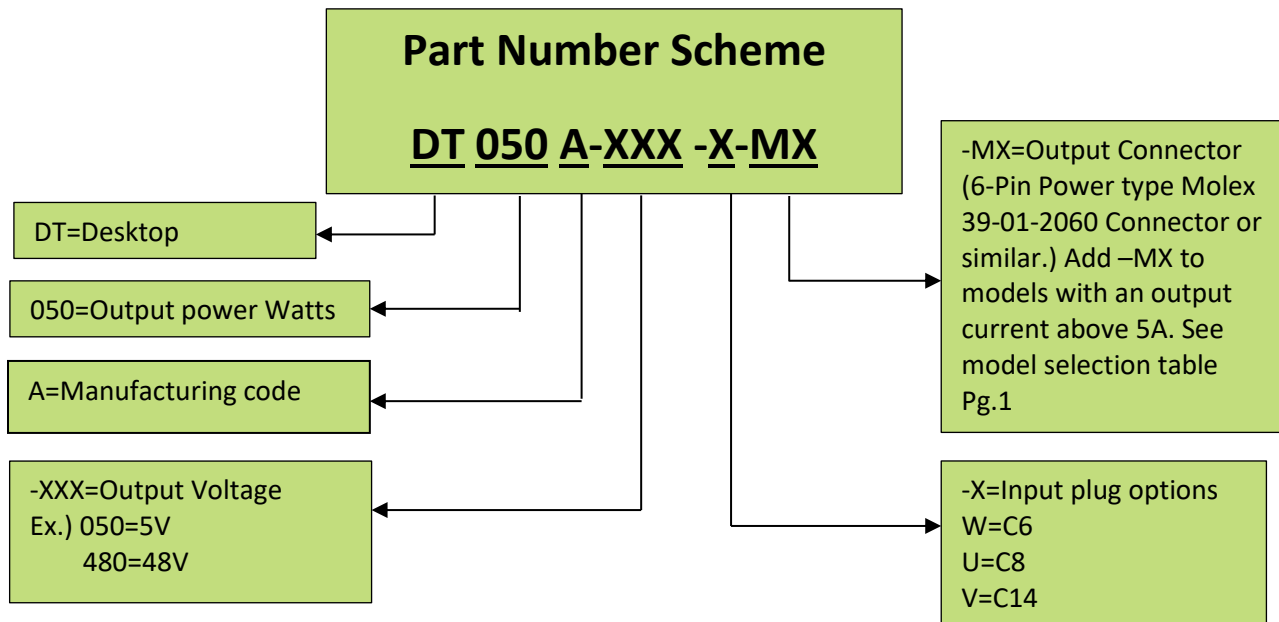
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■ Derating Curve





***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.**