

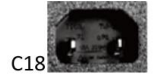
■ Features

- Single output from 240-250W
- 100-240Vac Universal input
- IEC62368-1 approval
- Efficiency Level VI, CE, ErP STAGE 2
- SCP, OVP, OCP, and OTP
- 2-year warranty
- Dimension: 204*94*43.5mm



Energy Efficiency
Level VI

RoHS
Compliant



■ Application

- Industrial Grade equipment

■ Model List

Custom Designs Available!

Model	Output Voltage	Output Current	Power
DT250A-120-X-XX*	12V	20A	240W
DT250A-150-X-XX*	15V	16.66A	250W
DT250A-190-X-XX*	19V	13.15A	250W
DT250A-240-X-XX*	24V	10.4A	250W
DT250A-480-X-XX*	48V	5.21A	250W
DT250A-560-X-XX*	56V	4.48A	250W

*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/C18/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	LLC
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
MTFB	300,000 calculated hours at 25°C, by Telcordia SR-332
Operating Temperature	0 to + 40°C
Storage Temperature	-20 to 80 °C

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■ Technical Data(cont.)

Relative Humidity Operating:	20 to 80% RH
Relative Humidity Storage	10 to 90% RH
Cooling	Natural Convection Cooling
DC Cord	20AWG/18AWG/16AWG
Case Dimension	204x94x43.5mm
Weight	1040g

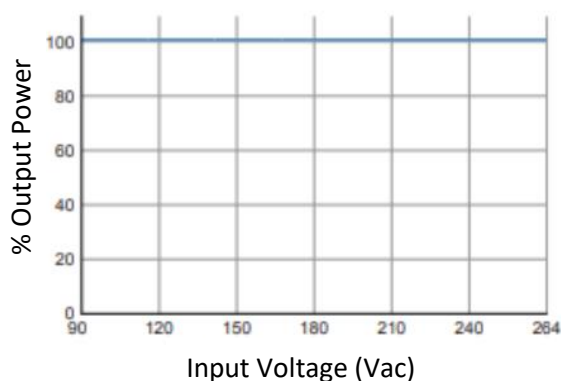
Note: When Over Current Protection is activated, the power supply will shut down automatically. Once the abnormal condition resulting in the failure being removed, the power supply will restart. When Over Voltage Protection or Over Temperature Protection is activated, the power supply will latch.

■ Safeties/EMI

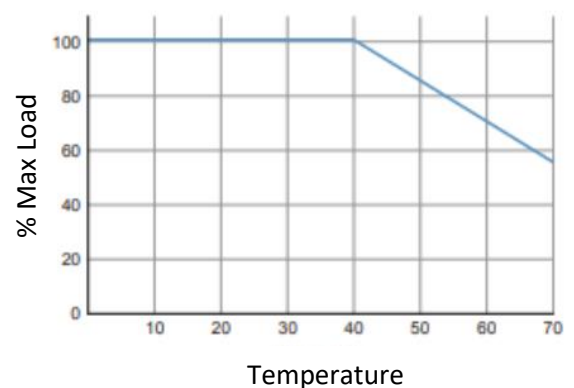
Safety Standard	IEC62368-1
EMI Conduction and Radiation	Compliance to EN55011 Class B
Harmonic Current	Compliance to ENC61000-3-2
EMS Immunity	Compliance to IEC60601-1-2

■ Derating Curve

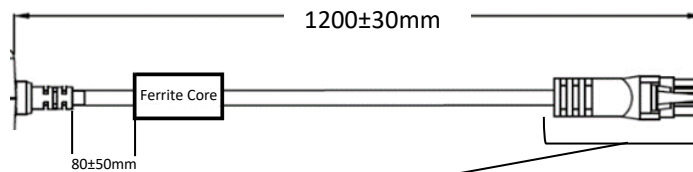
INPUT VOLTAGE DERATING CURVE



OUTPUT POWER DERATING CURVE

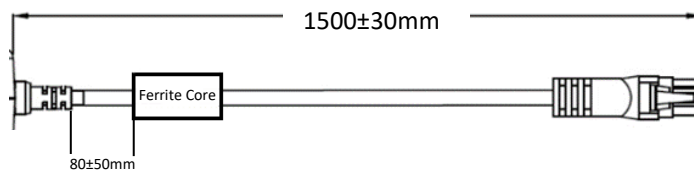


■ DC Output Cable Mechanical Diagram



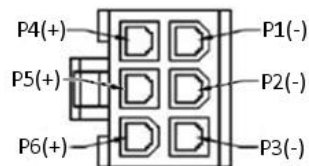
*Molex 39-01-2060 Connector or similar for models with an output current of 5A and above.

48V & 56V
Models

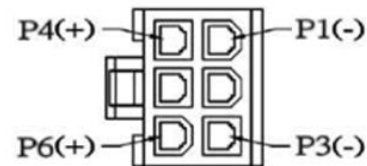


12V Model

All Other Models



Output Cable Plug Pin Assignment



Output Cable Plug Pin Assignment

Part Number Scheme

DT 250 A-XXX-X-XX

DT=Desktop

250=Output power Watts

A=Manufacturing

-XX=Output Connector
*See the output connector reference guide on our downloads page for full list of output connector options.
[Downloads](#)

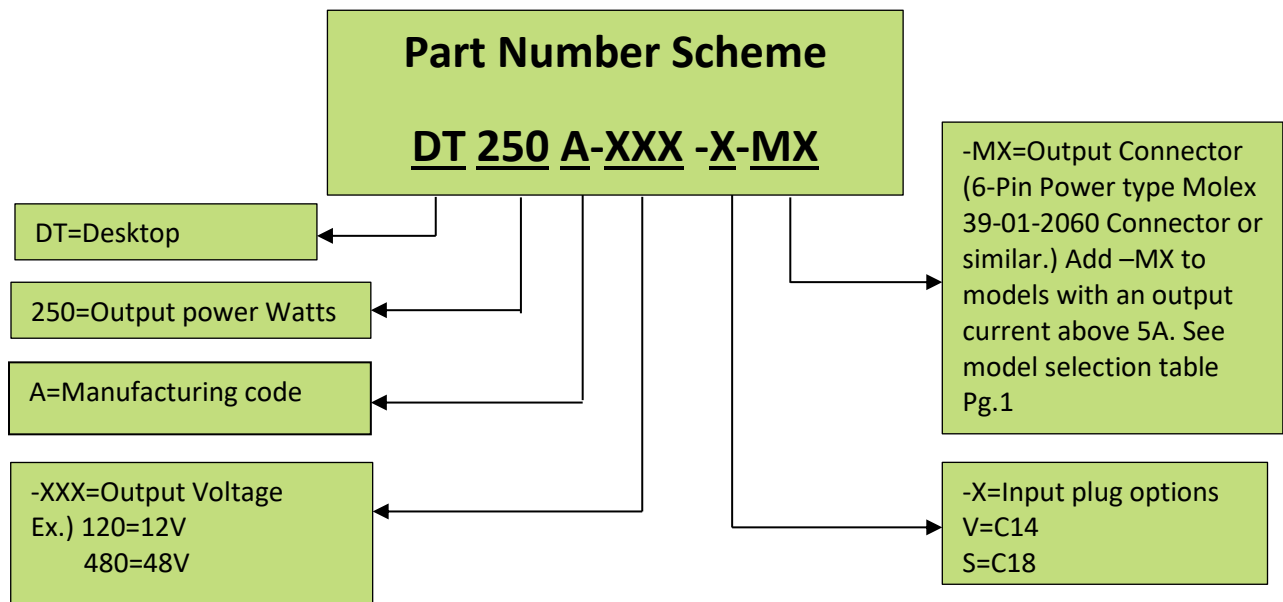
-X=Input Plug Option
V=C14
S=C18

-XXX=Output Voltage
Ex.) 120=12V
480=48V

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

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