

■ Features

- Single output to 300W
- 100-240Vac Universal input
- IEC62368-1 approval
- Efficiency Level VI
- SCP, OVP, OCP, and OTP
- 2-year warranty
- Dimension: 254*116*47mm

■ Application

- Industrial Grade equipment



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

■ Model List

Custom Designs Available!

Model	Output Voltage	Output Current	Power
DT300A-120-X-XX*	12V	25A	300W
DT300A-150-X-XX*	15V	20A	300W
DT300A-240-X-XX*	24V	12.5A	300W
DT300A-480-X-XX*	48V	6.25A	300W

*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

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■ Technical Data(cont.)

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	L 254xW 116x H 47mm
Weight	1600g

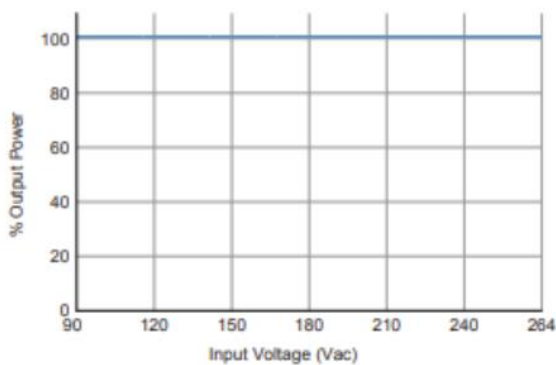
Note: When Over Current Protection is activated, the power supply will shut down automatically. Once the abnormal condition resulting in the failure being removed, the power supply will restart. When Over Voltage Protection or Over Temperature Protection is activated, the power supply will latch.

■ Safeties/EMI

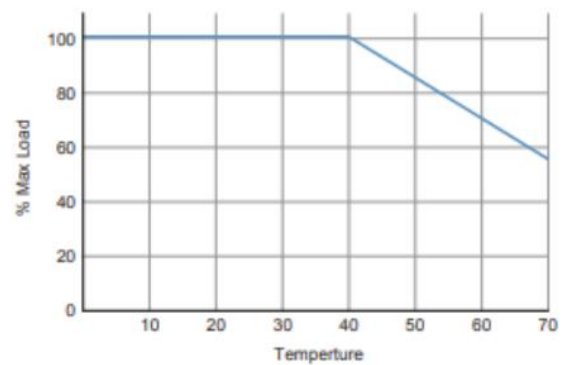
Safety Standard	IEC62368-1
EMI Conduction and Radiation	Compliance to EN55011 Class B
Harmonic Current	Compliance to ENC61000-3-2
EMS Immunity	Compliance to IEC60601-1-2

■ Derating Curve

INPUT VOLTAGE DERATING CURVE



OUTPUT POWER DERATING CURVE



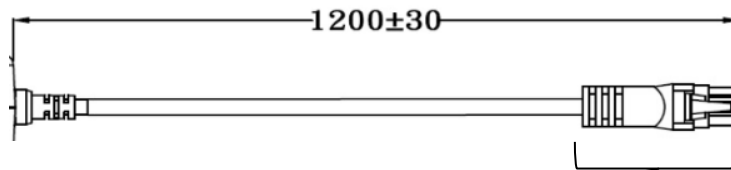
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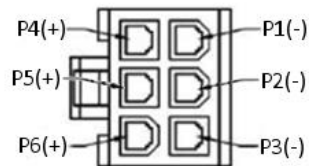
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■ **DC Output Cable Mechanical Diagram**



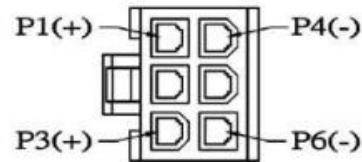
*Molex 39-01-2060 Connector or similar for models with an output current of 5A and above.

12V Model

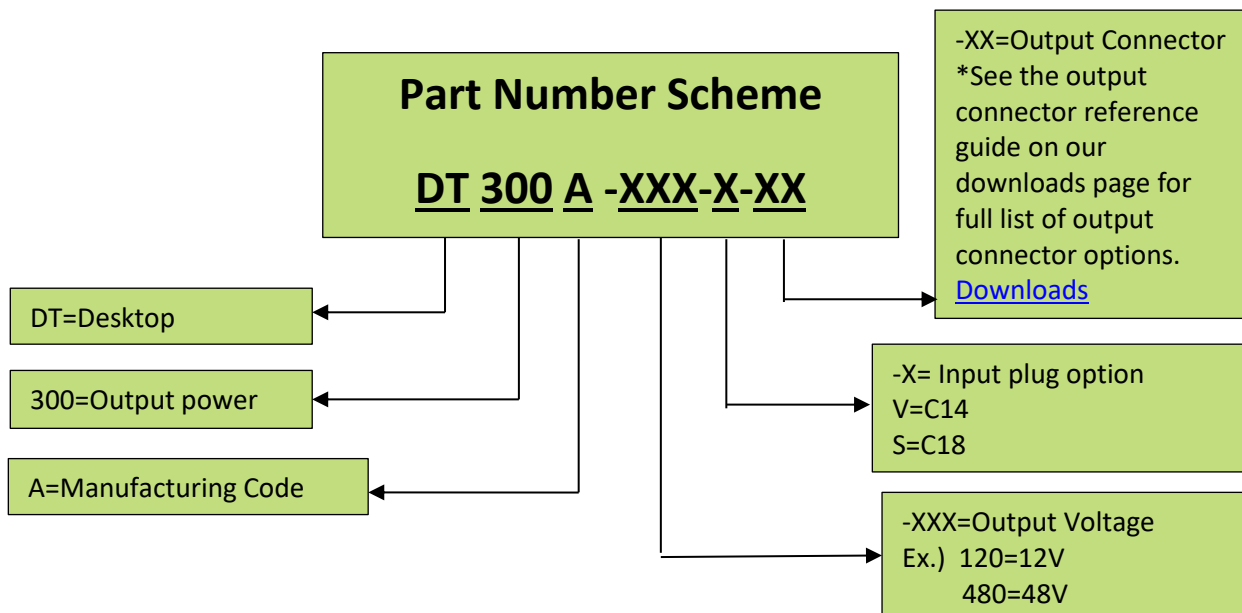


Output Cable Plug Pin Assignment

All Other Models



Output Cable Plug Pin Assignment

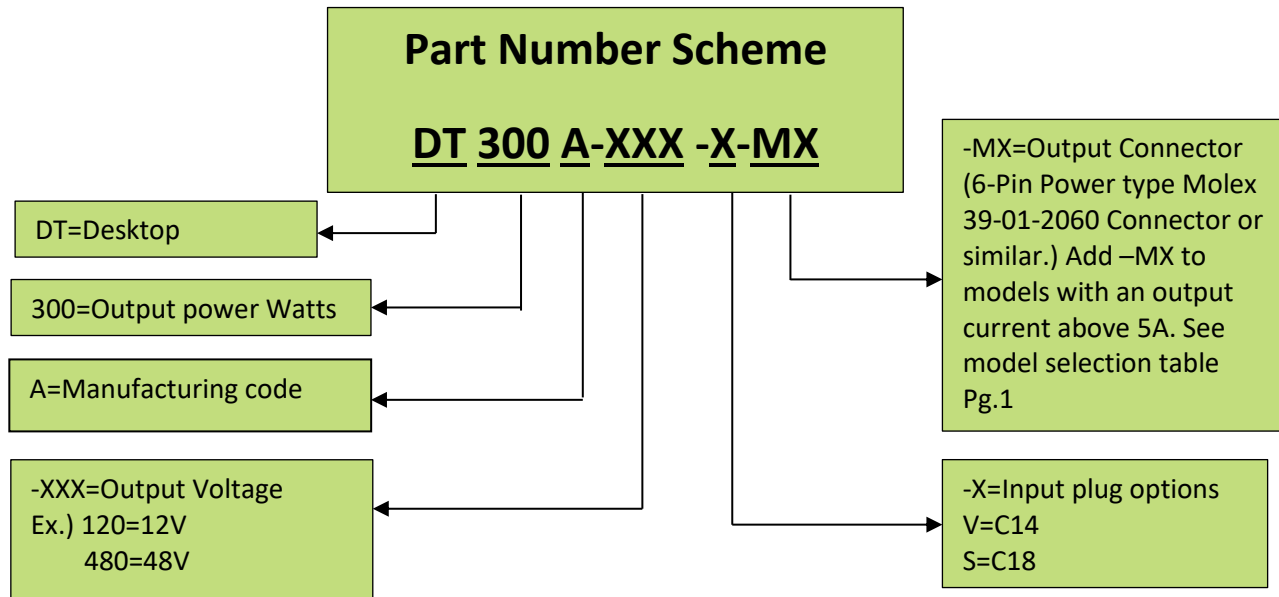


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***Some Safety Agency Approvals may differ from what is shown. Contact Autec Sales!**

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

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