

■ Features

- Single output from 150-160W
- 100-240Vac Universal input
- IEC62368-1 approval
- Gallium Nitride FET technology
- Efficiency Level VI
- Means of Protection: 2 X MOPP
- High Power Density: 10W/in³
- Smallest Footprint
- With 200kHz Switching Frequency
- SCP, OVP, OCP, and OTP
- 1-year warranty
- Dimensions C6 & C14: 161x54x33mm
- Dimensions C8: 150x54x33mm


RoHS
 Compliant


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

■ Application

- Industrial Grade equipment

■ Model List

Custom Designs Available!

Model	Output Voltage	Output Current	Power
DT-MG160-120-X-XX*	12V	12.5A	150W
DT-MG160-190-X-XX*	19V	8.4A	160W
DT-MG160-240-X-XX*	24V	6.6A	160W
DT-MG160-480-X-XX	48V	3.3A	160W
DT-MG160-560-X-XX	56V	2.86A	160W

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

■ Technical Data

Voltage	100-240Vac
Line Frequency	50-60Hz
Input Current	2.2A Max.
Protection	Internal Primary Current Fuse, Inrush Limiting
Configuration	IEC60320/C6, C8, C14
Load Regulation	±5% (Typical)
Ripple	1% 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
DC Cord	UL2095/UL2464/16AWG/18AWG

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■ Technical Data(cont.)

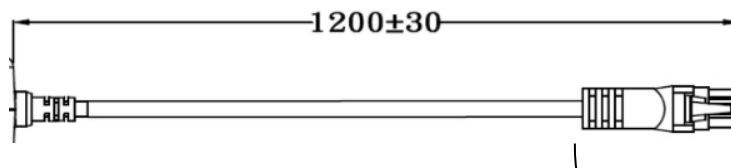
Ferrite Core	Yes(Optional)
Dielectric Withstand	3000Vac Primary-Secondary
Leakage Current	0.25mA@ 2Pin/ 3.5mA@3Pin
Efficiency	Energy Star Level VI, ErP Stage 2 Certified, CoC Tier 2, NRCan & GEMS Certified
MTBF	300,000 calculated hours at 25°C, by Telcordia SR-332
Operating Temperature	0 to + 40°C
Storage 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 C6 & C14	161x74x33mm
Case Dimension C8	150x54x33mm
Weight	530g
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.

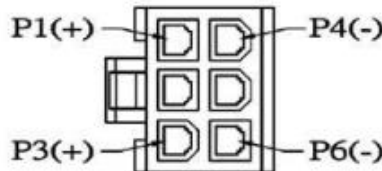
■ Safeties/EMI

Safety Standard	IEC62368-1, IEC 60950-1
EMC Standards	EN55032
	EN61000-3-2,3
	EN55024

■ DC Output Cable Mechanical Diagram



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

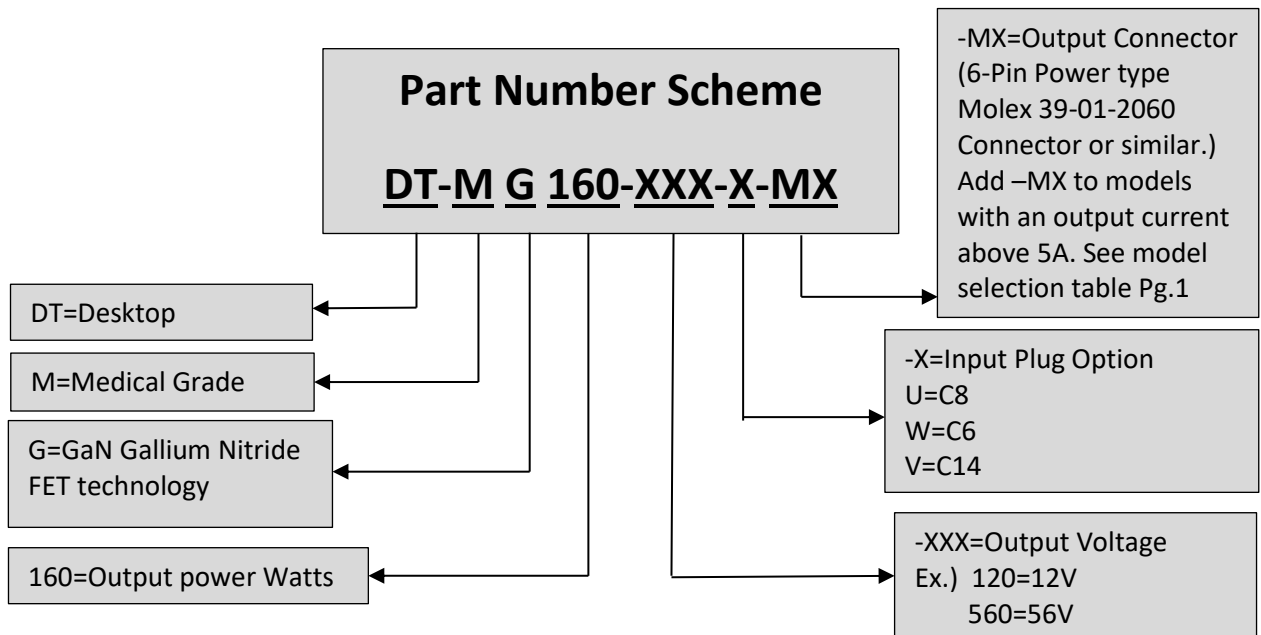
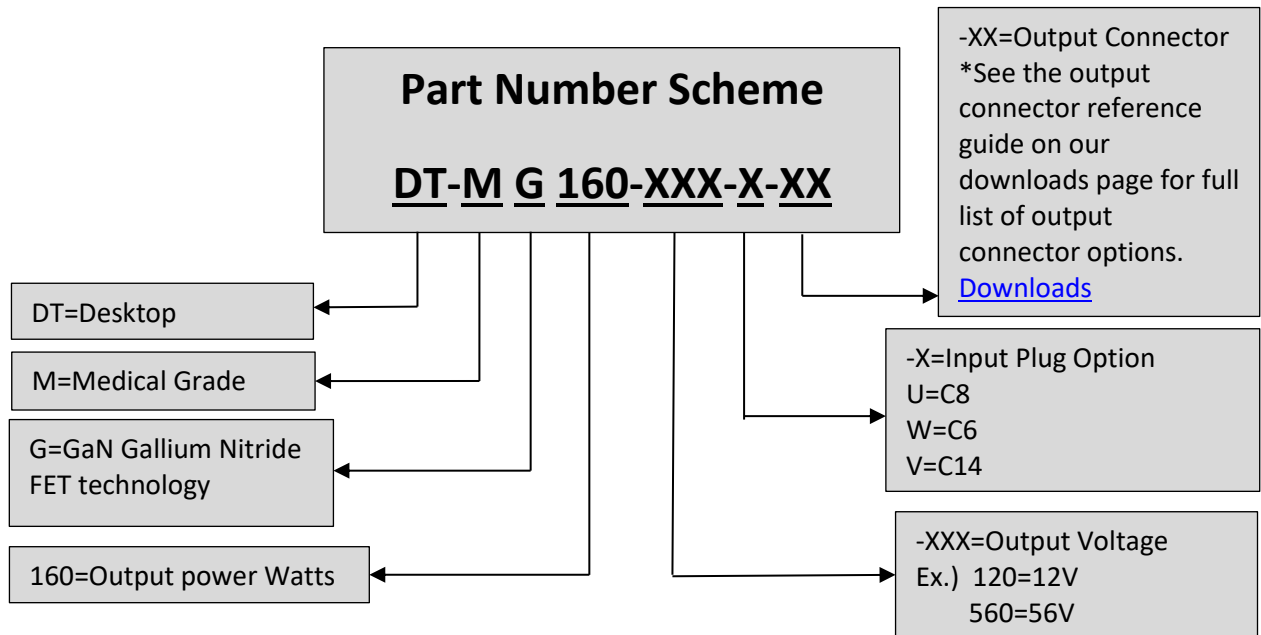


Output Cable Plug Pin Assignment

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***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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