

■ Features

- Single output from 60-65W
- 100-240Vac Universal input
- No load Power Consumption <0.15W
- IEC62368-1 approval
- Efficiency Level VI
- SCP, OVP, OCP, and OTP
- 2-year warranty
- Dimension: 115*53*38mm

■ Application

- Industrial Grade 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
DT065A-120-X-XX ¹	12V	5A	60W
DT065A-135-X-XX	13.5V	4.82A	65W
DT065A-150-X-XX	15V	4.34A	65W
DT065A-160-X-XX	16V	4.07A	65W
DT065A-180-X-XX	18V	3.62A	65W
DT065A-190-X-XX	19V	3.43A	65W
DT065A-200-X-XX	20V	3.25A	65W
DT065A-240-X-XX	24V	2.71A	65W
DT065A-241-X-XX ²	24V	2.71A	65W
DT072A-240-X-XX	24V	3A	72W
DT065A-300-X-XX	30V	2.17A	65W
DT065A-320-X-XX	32V	2.04A	65W
DT065A-321-X-XX ³	32V	2.04A	65W
DT065A-375-X-XX	37.5V	1.73A	65W
DT065A-480-X-XX	48V	1.36A	65W
DT065A-560-X-XX	56V	1.17A	65W

Notes:

1. Add -MX for 6-Pin Power Type Molex Output connector.
2. Peak current 11A.
3. Peak current 3.9A.

Technical Sales / Customer Service: +1-818-338-7788 • Email: sales@autec.com

31328 Via Colinas Suite 102 • Westlake Village, CA 91362 USA • www.autec.com

March 4, 2020

■ Technical Data

Voltage	100-240Vac
Line Frequency	50-60Hz
Current	1.4A Max. for 65W/ 1.6A Max. for 72W
Protection	Internal Primary Current Fuse
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	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
DC Cord	22AWG/20AWG/18AWG/16AWG
Ferrite Core	Optional
Dielectric Withstand	3000Vac Primary-Secondary
Leakage Current	0.25mA@ 2 Pin/3.5mA@ 3 Pin
Efficiency	DoE Level VI, Energy Star, ErP Stage 2, Coc Tier 2, NRCAN & GEMS Level VI 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	L 115xW 53x H 38
Weight	310g (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.

■ Safeties/EMI

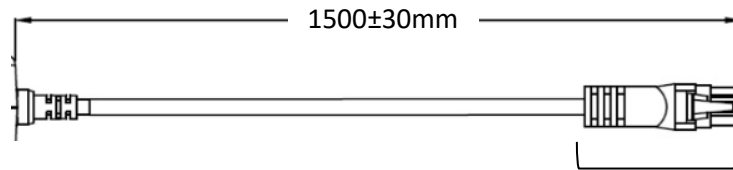
Safety Standard	IEC62368-1 & 60950-1
EMI Conduction and Radiation	Compliance to EN55011 Class B
EMC Standards	EN55032, EN55024
Harmonic Current	Compliance to EN61000-3-2,3
EMS Immunity	Compliance to IEC60601-1-2

Technical Sales / Customer Service: +1-818-338-7788 • Email: sales@autec.com

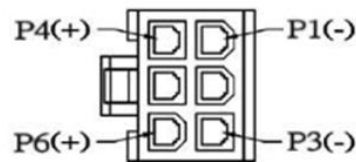
31328 Via Colinas Suite 102 • Westlake Village, CA 91362 USA • www.autec.com

March 4, 2020

■ DC Output Cable Mechanical Diagram

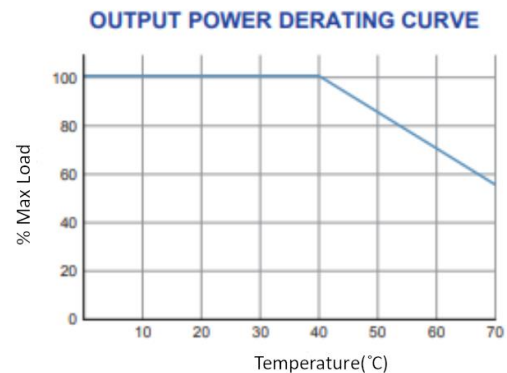
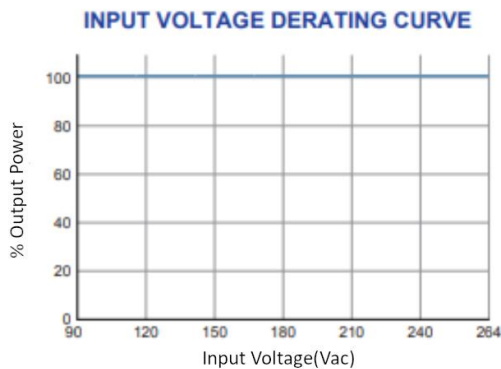


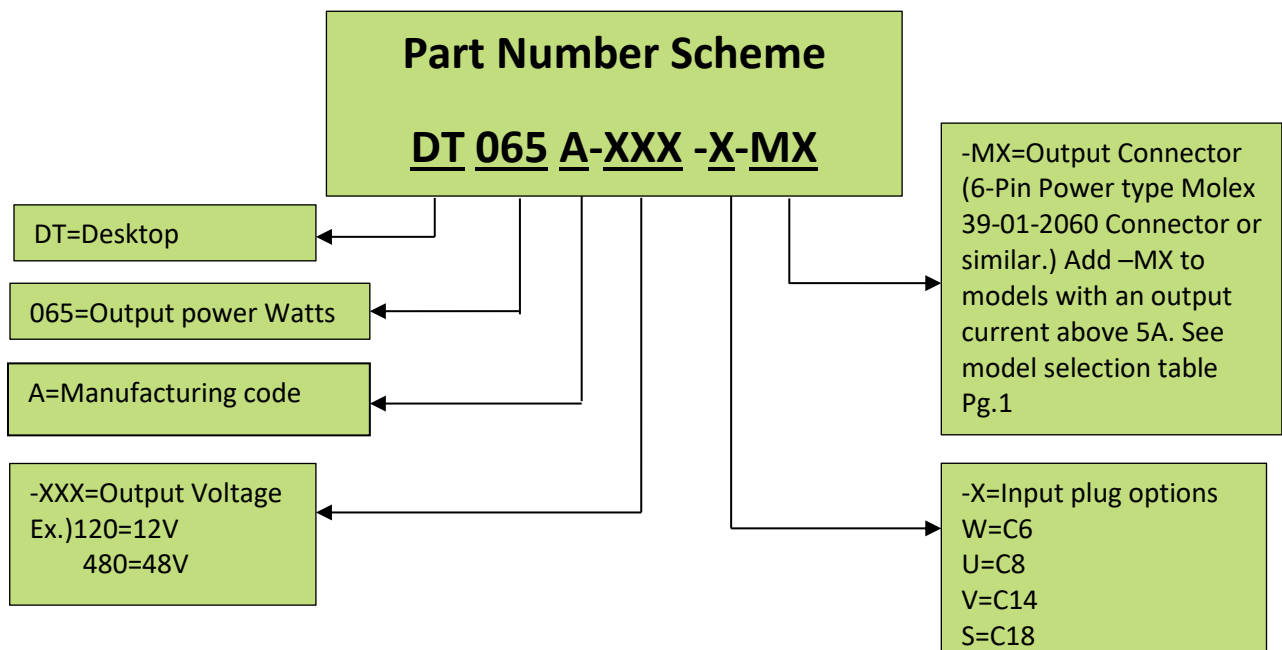
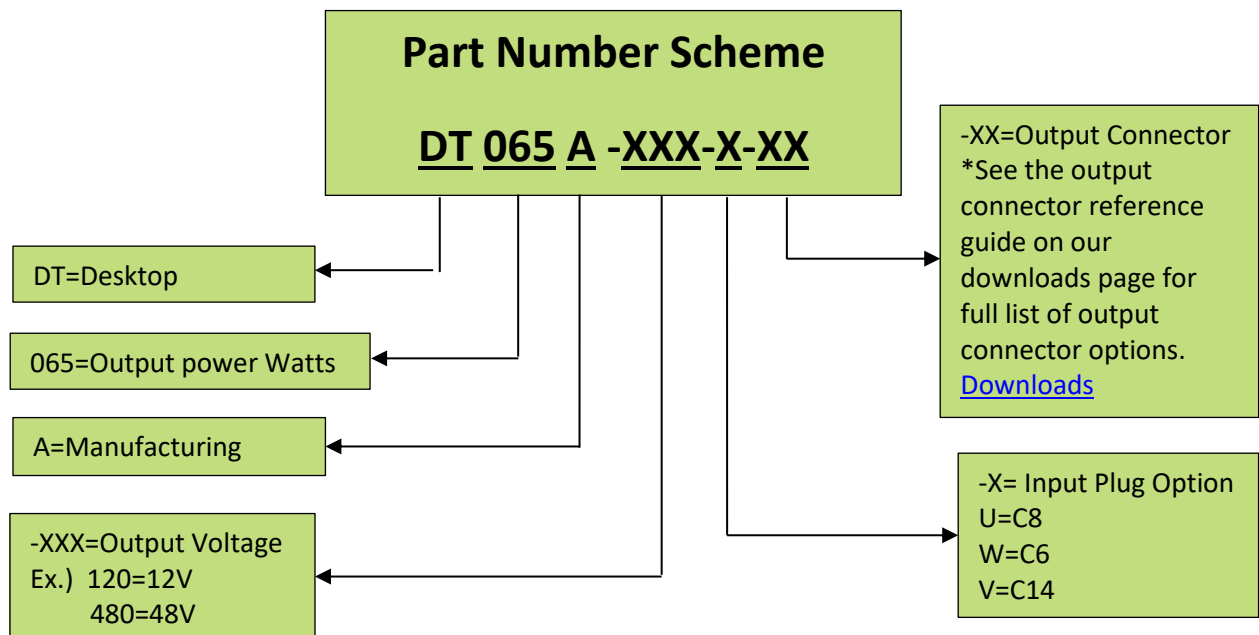
*Molex 39-01-2060 Connector or similar for models with an output current of 5A and above.



Output Cable Plug Pin Assignment

■ Derating Curve





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

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

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

Technical Sales / Customer Service: +1-818-338-7788 • Email: sales@autec.com

31328 Via Colinas Suite 102 • Westlake Village, CA 91362 USA • www.autec.com

March 4, 2020

4 / 4