

■ Features

- Single output from 18W
- 100-240Vac Universal input
- Certificates: UL, cUL, CE
- OCP, OVP, OTP, and SCP
- Efficiency Level VI
- NEMA 5 Type 2 Wire A/C Cord & Plug
- Waterproof DC harness with washer
- IP68
- MTBF: 50,000 hours
- 2-year warranty
- Dimensions: 110x52.5x38mm



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

■ Application

- Dry, Damp and Wet locations
- Industrial equipment

■ Model List

Custom Designs Available!

Model	Output Voltage	Output Current	Power	Certificates
DT018R-050-N52-WA-XX	5V	3.6A	18W	UL/cUL, CE
DT018R-120-N52-WA-XX	12V	1.5A	18W	UL/cUL, CE
DT018R-240-N52-WA-XX	24V	0.75A	18W	UL/cUL, CE

*Available in 0.1V increments please contact Autech Sales for more information

■ Technical Data

Input Voltage	100-240Vac
Line Frequency	50-60Hz
Input Current	500mA
Inrush Current	30A
Rated Output Voltage	5V-24V
Rated Output Current	750mA-3600mA
Rated Power	18W
Output Ripple and Noise	300mVp-p
Turn On Delay Time	3S Max.
Rise time	40mS
Hold up time	5mS
Efficiency	80%min.
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
Electrostatic Discharge	Direct Discharge ±4kV, Air discharge ±8kV
Hi-Pot Test	AC 3000V 1min, 8mA, 25°C

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■ Technical Data(cont.)

Leakage Current	0.25mA
Line Regulation	±1%
Load Regulation	±5%
Operating Temperature	-0 to 40°C
Storage Temperature	-10 to 80°C
Operating Relative Humidity	5 to 90% RH
Storage Relative Humidity	5 to 95% RH
Case Dimensions	110x52.5x38mm
Weight	TBA
Vibration Test Requirement	Operating: IEC 721-3-3 3M3
Transportation	IEC 721-3-2 2M2, 5-9Hz, A=3.5mm; 9-200Hz, Acceleration=5m/S ² ; 200-500Hz Acceleration=15m/S ² ; Axes., 10 cycles per axis

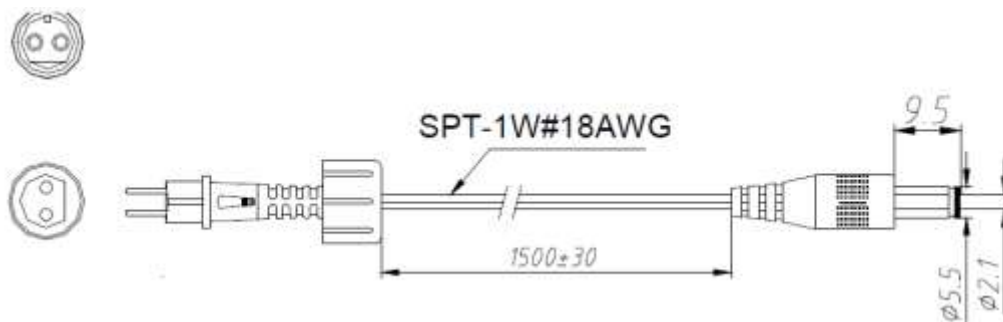
Note: When Over Current Protection is activated, the power supply will shutdown automatically. Once the abnormal condition resulting in the failure has been removed, the power supply will restart. When Over Voltage Protection or Over Temperature Protection is activated, the power supply will latch.

■ Safety & EMI Standards

Safety Standard	UL1310, UL8750
Insulation Resistance	Primary to secondary:5MΩ min at 500V DC.
Dielectric Strength Hi-Pot:	Primary to secondary:2000Vac5mA/3S for type test.
EMI Standard	Fcc Part 15; EN55015

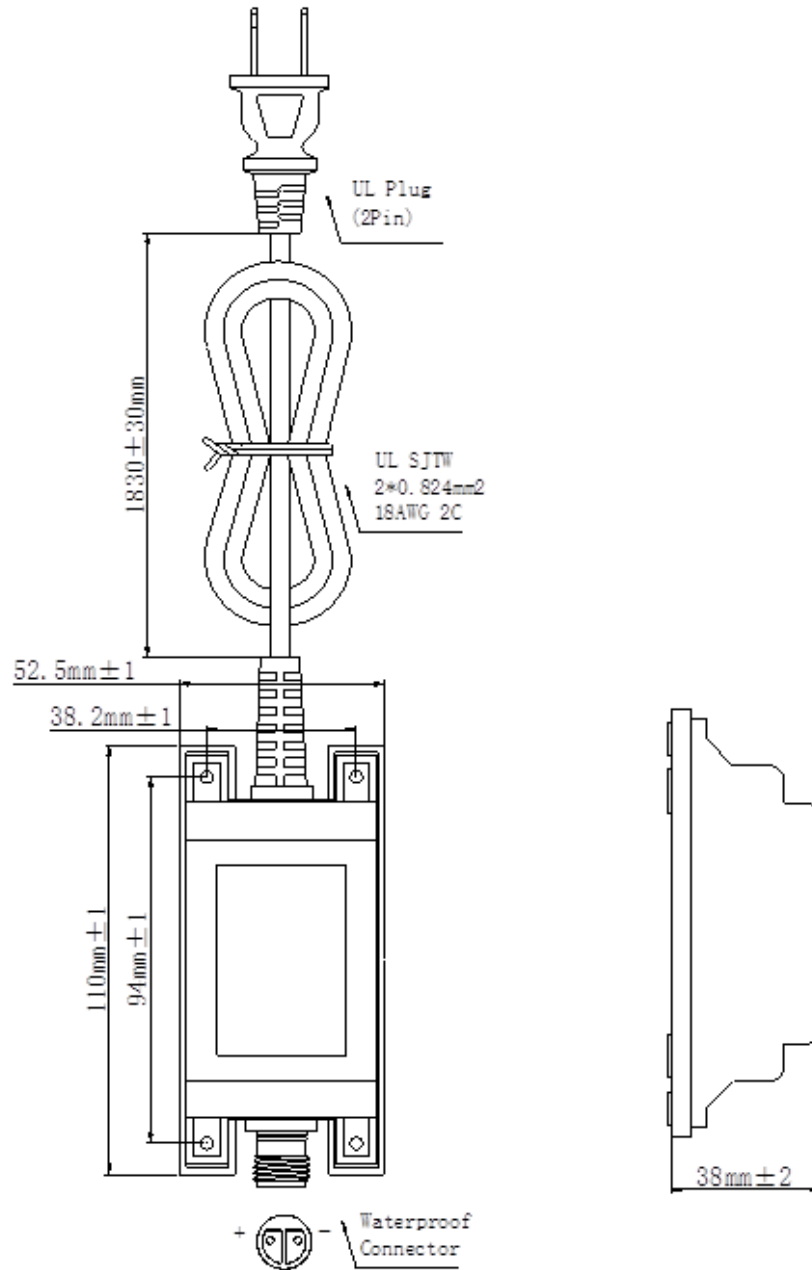
■ Waterproof DC Harness with Washer Mechanical Diagram

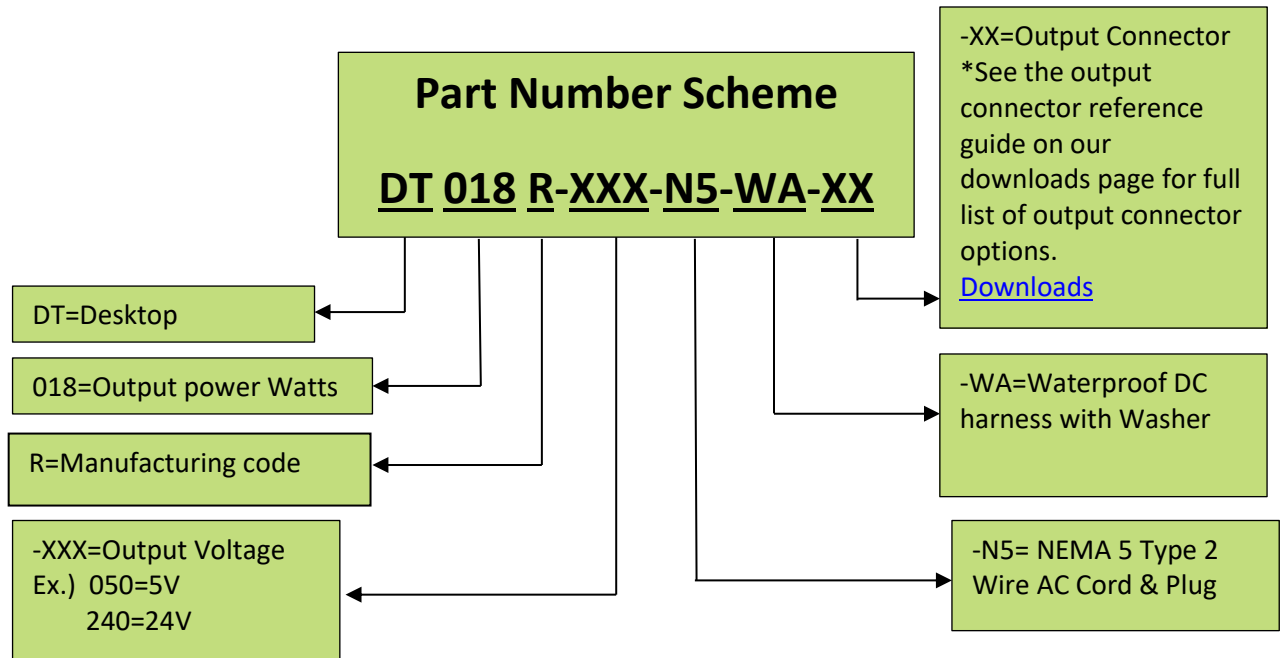
- DT018R-XXX-N52-WA-2



■ **Mechanical Diagram**

- DT018R-XXX-N52-WA-XX





***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.**