



■ Features

- Single output from 30W
- 100-240Vac Universal input
- Certificates: UL, cUL, CE
- PoE: Power over Ethernet 100Mbps
- OPP, OVP, SCP and Input Protections
- Efficiency Level VI
- 2-year warranty
- Dimensions: 138x67x35.5mm



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

■ Application

- Consumer electronics and office equipment
- Industrial equipment

■ Model List

Custom Designs Available!

Model	Output Voltage	Output Current	Power	Certificates
DT030BP-120-X	12V	2.5A	30W	UL/cUL, CE
DT030BP-150-X	15V	2A	30W	UL/cUL, CE
DT030BP-190-X	19V	1.58A	30W	UL/cUL, CE
DT030BP-240-X	24V	1.25A	30W	UL/cUL, CE
DT030BP-480-X	48V	0.63A	30W	UL/cUL, CE
DT030BP-560-X	56V	0.536A	30W	UL/cUL, CE

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

■ Technical Data

Frequency	50/60Hz
Input voltage	100-240Vac(nom); 90-264Vac(max)
Input Current	0.75A max. 220Vac/60Hz max. load
Inrush Current	50A max@120Vac, 100A max@230Vac @25° maximum load cold start
Efficiency	85% when measured @ 120Vac max(after 30min warm up) Efficiency Level VI
Line Regulation	±1%
Load Regulation	±5% Note 2
Ripple and noise	1% Note 1
Over Voltage Protection	When the output voltage reaches the threshold point the power supply will latch and shutdown. The product needs to recycle the AC input to release the latch status. Range 59V-68Vdc
Short Circuit Protection	Output short to GND terminal will not be damaged. The power supply will auto-recover when the load short condition is removed. Short resistance <0.1ohm.
Over Power Protection	When max load exceeds 110%-160% the power supply will enter recovery mode automatically.
Input Protection	Fuse protection
Operation temperature	0 °C to + 40 °C

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■ Technical Data(cont.)

Storage Temperature	-20°C to +65°C
Humidity	5-90% RH non-condensing
Cooling	Convection cooling
Case Dimensions	138x67x35.5mm
Hold up time	8mS min. at maximum load at normal input voltage

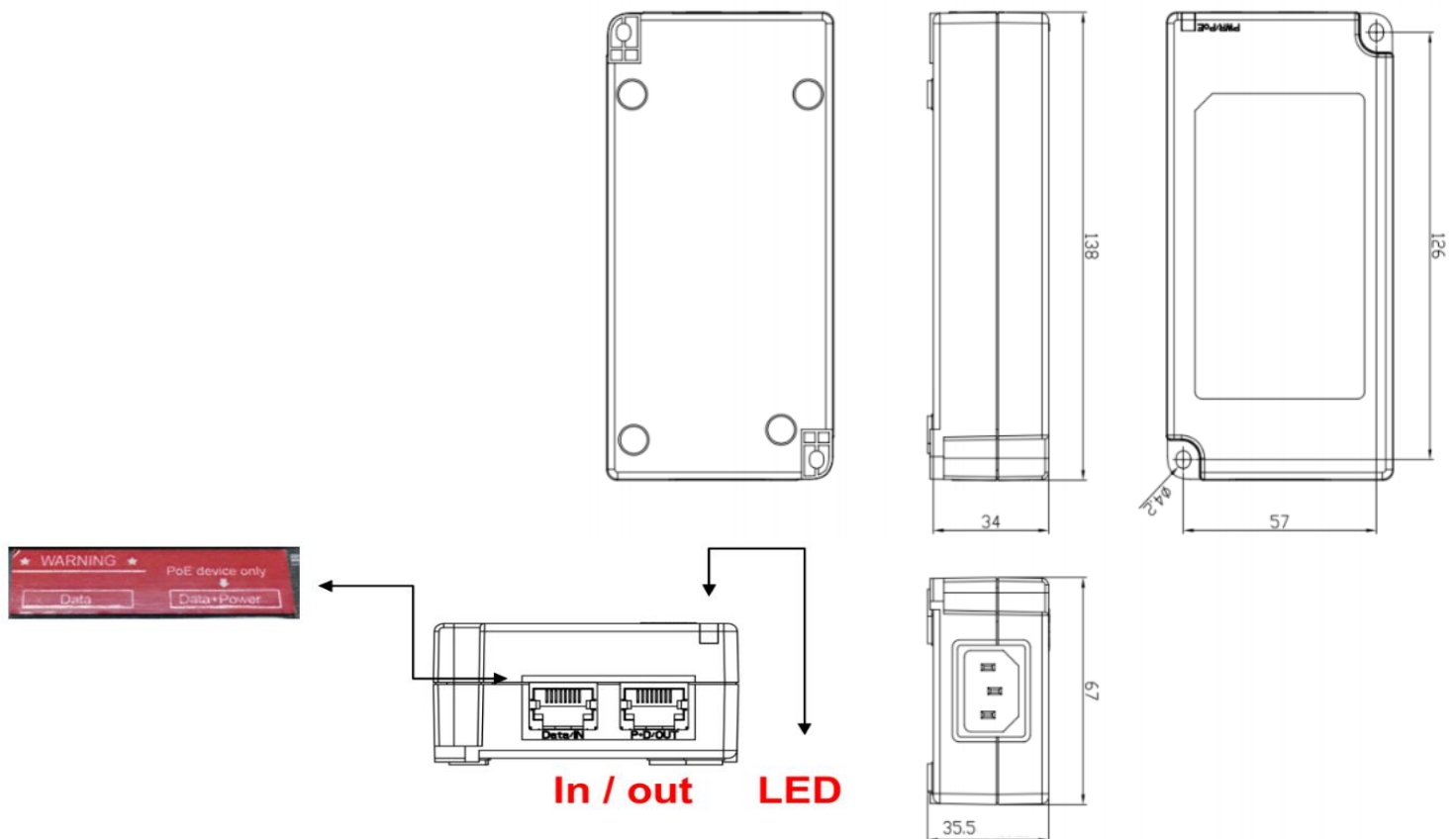
Notes:

1. Ripple and noise must be measured from DC Side with 20Mhz bandwidth, connected with a 47uF E-cap and 0.1uf ceramic capacitor of proper polarity.
2. Load and line regulation test at RJ45 terminal

■ Safety Standards

Dielectric Voltage	Primary to Secondary 3000Vac, 10mA/1min (HI-POT)
Isolation Resistance	Primary to Secondary > 50M @ 500Vdc
EMI	Meet FCC Part 15 Class B/EN55022 Class B
Safety Standard	Meet CSA 22.2 & IEC/EN60950-1, Compliant with the IEEE802.3

■ Mechanical Diagram



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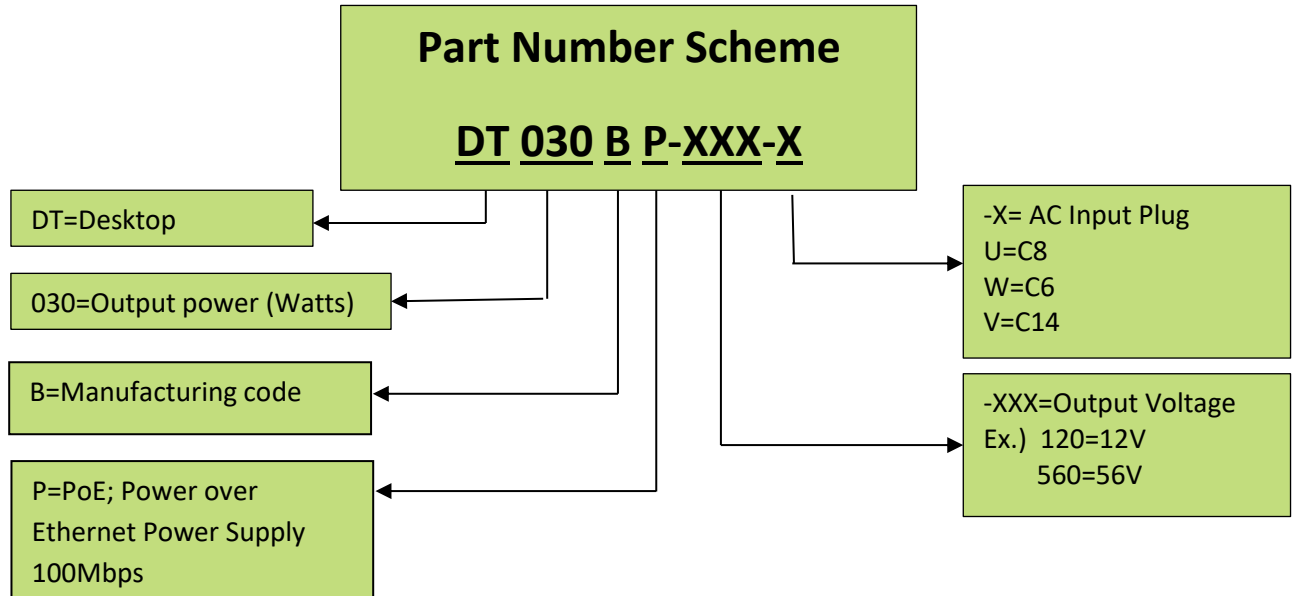
■ Output Connector Configuration

RJ45 pins definition:@1000MBASE

RJ-45 Input (Data Only)			RJ-45 Output (Data & Power)	
Pin	Symbol	Description	Symbol	Description
1	BI_DB+	Data Pair B+	+Vdc + BI_DB+	Power(+)+ Data Pair B+
2	BI_DB-	Data Pair B-	+Vdc + BI_DB-	Power(+)+ Data Pair B-
3	BI_DA+	Data Pair A+	-Vdc + BI_DA+	Power(-)+ Data Pair A+
4	BI_DC+	Data Pair C+	BI_DC+	Data Pair C+
5	BI_DC-	Data Pair C-	BI_DC-	Data Pair C-
6	BI_DA-	Data Pair A-	-Vdc + BI_DA-	Power(-)+ Data Pair A-
7	BI_DD+	Data Pair D+	BI_DD+	Data Pair D+
8	BI_DD-	Data Pair D-	BI_DD-	Data Pair D-

■ Spec. of Surge/Lightning Protection

Operating Voltage	Data 5V
Peak Pulse Current	K.21 enhanced mode (4KV)
Pin Protected	All 8 pin protected
Max. Shut Capacitance	<3pF (VR=0V, f=1MHz, I/O pin to GND) <1.5 pF (VR=0V, f=1MHz, Between I/O pins)
IEC Compatibility (EN61000-4)	IEC61000-4-2 (ESD) ±15kV (air), ±8kV (contact), IEC61000-4-4 (EFT) ±2kV, IEC61000-4-5 (Lightning) ±2kV



***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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