



## 150W AC-DC External Power Supplies

| Features                                                   | Benefits                   |
|------------------------------------------------------------|----------------------------|
| • EU CoC Tier 2 & DoE Level VI Compliant <sup>(1)(2)</sup> | • Easier system compliance |
| • Wide Range AC Input                                      | • Global Operation         |
| • 89% Average Efficiency                                   | • Consumes less energy     |



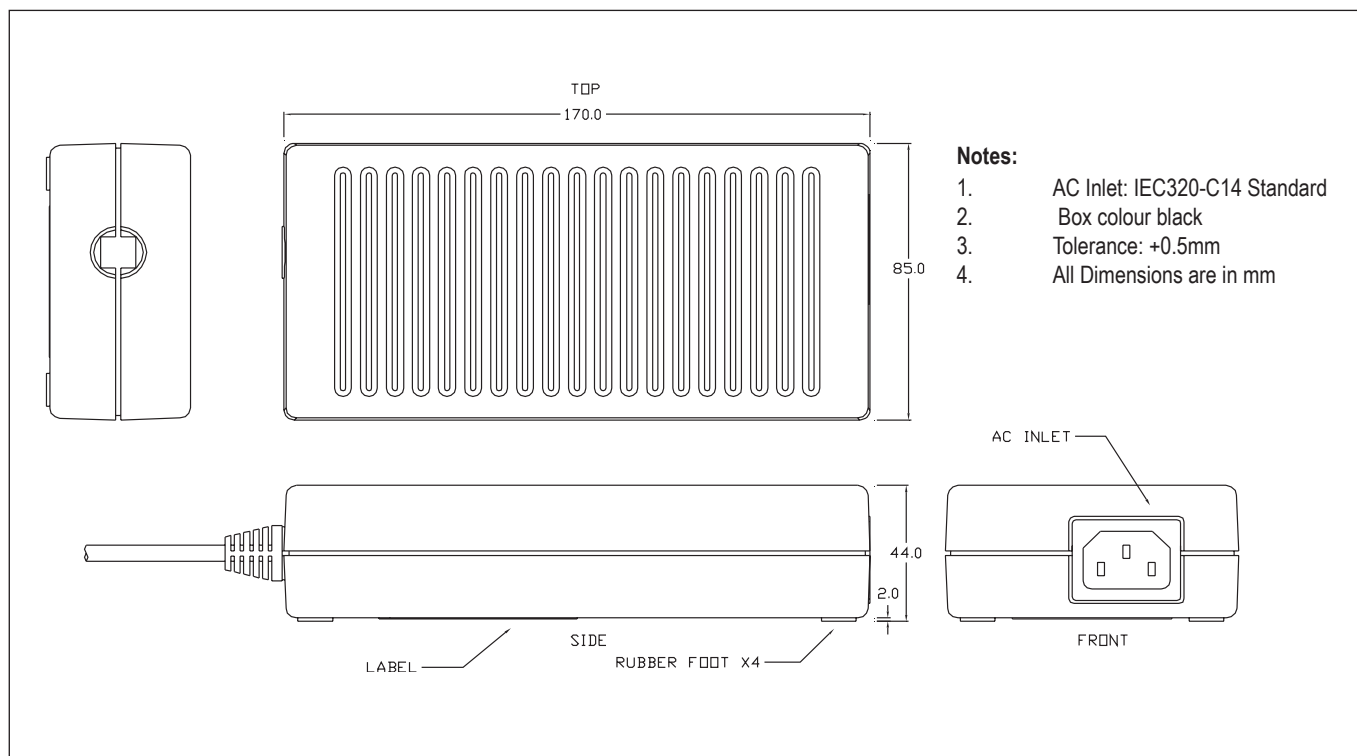
| Specification             |              |                                                                                                      |
|---------------------------|--------------|------------------------------------------------------------------------------------------------------|
| Model                     | DT150PWxxx-D |                                                                                                      |
| Input Voltage range       | -            | 90 - 264VAC (47 - 63Hz)                                                                              |
| Inrush Current            | A            | <60A at 230VAC input, 25°C ambient cold start                                                        |
| Input Current (Maximum)   | A            | 2.5A                                                                                                 |
| Power Factor              | -            | Typically 0.9 at full load (Meets EN61000-3-2)                                                       |
| Leakage Current           | µA           | <600µA at 264VAC 60Hz                                                                                |
| Hold Up Time (Typ)        | ms           | >20ms at 115VAC input                                                                                |
| Temperature Coefficient   | -            | ±0.05%/°C                                                                                            |
| Voltage Accuracy          | %            | ±1%                                                                                                  |
| Adjustment Range          | -            | None                                                                                                 |
| Minimum Load              | A            | None                                                                                                 |
| Total Regulation          | -            | +5% / -2%                                                                                            |
| Ripple & Noise            | %            | See model selector                                                                                   |
| Short Circuit Protection  | -            | Continuous - hiccup mode (Auto Recovery)                                                             |
| Overvoltage Protection    | V            | 110 - 130% of nominal (Cycle input power to reset)                                                   |
| Efficiency                | %            | >89% Avg. Active Efficiency                                                                          |
| Operating Temperature     | °C           | 0 to +40°C                                                                                           |
| Storage Temperature       | °C           | -10 to +85°C                                                                                         |
| Humidity (non condensing) | -            | 20 - 90% RH                                                                                          |
| Cooling                   | -            | Convection                                                                                           |
| Withstand Voltage         | -            | Input to Ground 1.5kVAC, Input to Output 3kVAC for 1 min. (Output is connected to Ground internally) |
| Isolation Resistance      | -            | >20M at 25°C & 70%RH, Output to Ground 500VDC                                                        |
| Vibration (non operating) | -            | 23.52m/s <sup>2</sup> (10 - 55Hz: constant sweep 1 min X, Y, Z for 1 hour)                           |
| Shock                     | -            | < 196.1 m/s <sup>2</sup> (20G)                                                                       |
| Safety Agency Approvals   | -            | CSA/UL60950-1, EN609501-1, IEC60950-1                                                                |
| Safety Class              | -            | Class I                                                                                              |
| Offload Power Consumption | -            | < 0.5W                                                                                               |
| Conducted & Radiated EMI  | -            | EN55022-B, FCC Class B                                                                               |
| Immunity                  | -            | EN55024                                                                                              |
| Weight (Typ)              | g            | 780g                                                                                                 |
| Size (WxLxH)              | mm           | 85 x 170 x 44                                                                                        |
| Cable Length & Thickness  | mm           | 1050mm; 12 to 24V Models: #14 AWG, 36 to 48V Models: #16 AWG                                         |
| AC Input Connector        | -            | IEC 320-C14 (Accepts IEC 320-C13)                                                                    |
| Output Connector          | -            | Kycon KPPx-4P or equivalent Pins 1 & 2: -Vout, Pins 3 & 4: +Vout                                     |
| MTBF                      | -            | 140,000 hours, 100% load, 25°C ambient, MIL-HNBK                                                     |
| Warranty                  | yrs          | 2                                                                                                    |

Notes: (1) EU CoC - European Code of Conduct (2) Department of Energy

## Model Selector

| Model       | Output (V) | Maximum Output (A) | Maximum Power (W) | Ripple & Noise (mV) | ErP2 | CEC V | EISA Efficiency Level VI |
|-------------|------------|--------------------|-------------------|---------------------|------|-------|--------------------------|
| DT150PW120D | 12         | 11.67              | 140               | 240                 | Y    | Y     | Y                        |
| DT150PW160D | 16         | 9.38               | 150               | 320                 | Y    | Y     | Y                        |
| DT150PW190D | 19         | 7.90               | 150               | 380                 | Y    | Y     | Y                        |
| DT150PW240D | 24         | 6.25               | 150               | 480                 | Y    | Y     | Y                        |
| DT150PW360D | 36         | 4.17               | 150               | 480                 | Y    | Y     | Y                        |
| DT150PW480D | 48         | 3.13               | 150               | 480                 | Y    | Y     | Y                        |

## Outline Drawing DT150-D Series





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