

90W to 110W Medical AC-DC External Power Supplies

Features

- ◆ CEC, EISA⁽¹⁾ & ErP Stage 2 Compliant
- ◆ Wide Range AC Input
- ◆ Medical Certifications
- ◆ > 87% Average Efficiency



Key Market Segments & Applications



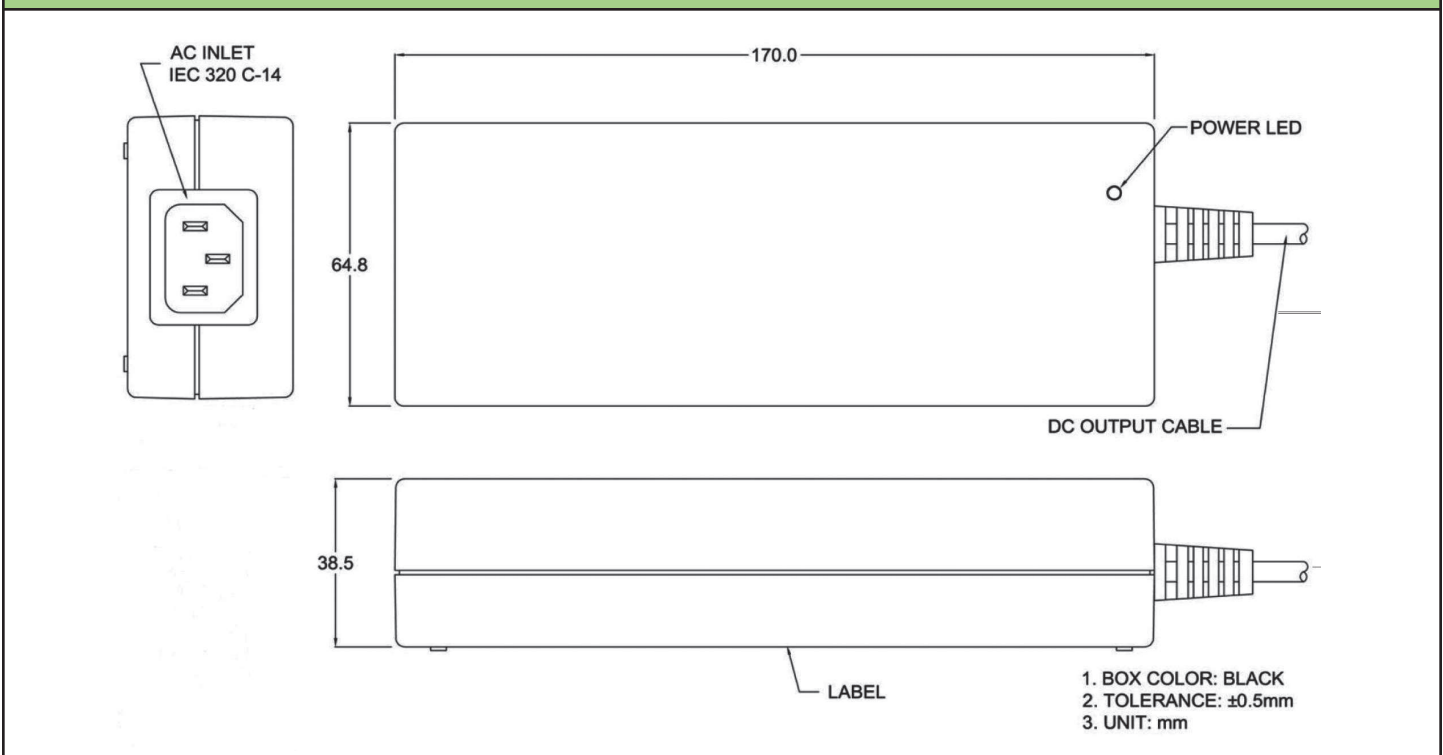
| Specifications | | |
|------------------------------------|---------------|--|
| Model | DTM110PWxxx-C | |
| Input Voltage range | VAC | 90 - 264VAC (47 - 63Hz) |
| Inrush Current | A | <100A at 230VAC input, 25°C ambient cold start |
| Input Current | A | 2A at 90VAC, Full Load |
| Power Factor | - | Meets EN61000-3-2. >0.9 PF |
| Leakage Current (264VAC 60Hz) | µA | <300µA |
| Hold Up Time (Typ) | ms | >10ms |
| Temperature Coefficient | %/°C | ±0.05%/°C |
| Voltage Accuracy | % | ±1% |
| Adjustment Range | V | None |
| Minimum Load | A | None |
| Total Regulation | % | 12V to 15V Models:±5%, >15V models ±3% |
| Ripple & Noise | % | 1% |
| Short Circuit Protection | - | <160% - hiccup mode |
| Overvoltage Protection | V | 110 - 150% of nominal (Cycle input power to reset) |
| Efficiency | % | >87% average efficiency |
| Operating Temperature | °C | 0 to +40°C |
| Storage Temperature | °C | -10 to +70°C |
| Humidity (non condensing) | %RH | 10 - 90%RH |
| Cooling | - | Convection |
| Withstand Voltage | VAC | Input to Ground 1.5kVAC, Input to Output 4kVAC (Output is connected to Ground) |
| Vibration (non operating) | - | 23.52m/s ² (10 - 55Hz: constant sweep 1 min X, Y, Z for 1 hour) |
| Shock | - | < 196.1 m/s ² (20G) |
| Safety Agency Approvals | - | UL60601-1, EN60601-1, IEC60601-1 |
| California Energy Commission (CEC) | - | See model selector |
| EISA | - | See model selector |
| Offload Power Consumption | W | < 0.5W |
| Conducted & Radiated EMI | - | EN60601-1-1-2, FCC Part 18 Class B |
| Immunity | - | EN55011:2007+A2:2007 |
| Weight (Typ) | g | 605g |
| Size (WxLxH) | Inches | 2.55 x 6.7 x 1.51" |
| Cable Length | mm | 1050mm |
| 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 |
| Warranty | yrs | Two Years |

(1) EISA - Energy Independence and Security Act of 2007

Output Ratings

| Model | Output (V) | Maximum Output (A) | Maximum Power (W) | CEC | EISA Efficiency Level |
|--------------|------------|--------------------|-------------------|-----|-----------------------|
| DTM110PW120C | 12 | 7.5 | 90 | V | V |
| DTM110PW135C | 13.5 | 6.67 | 90 | V | V |
| DTM110PW150C | 15 | 6.67 | 100 | V | V |
| DTM110PW190C | 19 | 5.8 | 110 | V | V |
| DTM110PW200C | 20 | 5.5 | 110 | V | V |
| DTM110PW240C | 24 | 4.6 | 110 | V | V |

Outline Drawing



Other AC-DC Products

| | |
|---------------|------------------------------------|
| DT62-C | 62W CEC Compliant Adapters |
| DTM65-C | 40W to 65W Medical Adapters |
| DT80-C | 80W CEC Compliant Adapters |
| DT100 / 150-C | 100W & 150W CEC Compliant Adapters |

For Additional Information, please visit us.tdk-lambda.com/lp/products/dt-c-series.htm

