

DTM65-C Series

40W to 65W Medical AC-DC External Power Supplies



- ◆ CEC & EISA(1) Compliant Models
- ◆ Wide Range AC Input
- ◆ Medical Certifications

RoHS

Features and Benefits

| Feature | Benefit |
|--------------------------|----------------------------|
| ◆ CEC and EISA Compliant | ◆ Easier system compliance |
| ◆ Wide Range AC Input | ◆ Global Operation |
| ◆ > 85% Efficient | ◆ Consumes less energy |

Specifications

| ITEMS | | |
|------------------------------------|----|--|
| Input Voltage range | | 90 - 264VAC (47 - 63Hz) |
| Inrush Current | A | <60A at 230VAC input, 25°C ambient cold start |
| Input Current | A | 2A at 90VAC, Full Load |
| Power Factor | | None |
| Leakage Current (264VAC 63Hz) | mA | <300uA |
| Hold Up Time (Typ) | ms | 16ms at 115VAC input |
| Temperature Coefficient | | ±0.05%/°C |
| Voltage Accuracy | % | ±1% |
| Adjustment Range | | None |
| Minimum Load | A | None |
| Total Regulation | | 5V to 15V Models:±5%, >15V models ±3% |
| Ripple & Noise | % | 1% or 100mV whichever is the greater |
| Short Circuit Protection | - | Continuous - hiccup mode |
| Overvoltage Protection | V | 110 - 130% of nominal (Cycle input power to reset) |
| Efficiency | % | >85%, average load for 15V and greater models, >75% <15V models |
| Operating Temperature | | 0 to +50°C |
| Storage Temperature | | -10 to +70°C |
| Humidity (non condensing) | | 10 - 90% RH |
| Cooling | - | Convection |
| Withstand Voltage | | 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 | | < 0.5W |
| Conducted & Radiated EMI | | EN55011, EN60601-1-2 Class B |
| Immunity | | EN55024 |
| Weight (Typ) | g | 460g |
| Size (WxLxH) | in | 2.72 x 5.2 x 1.57 |
| Cable Length | mm | 1050mm |
| AC Input Connector | | IEC 320-C14 (Accepts IEC 320-C13) |
| Output Connector | | Kycon KPP-4P or equivalent, Pins 1 & 2: -Vout, Pins 3 & 4: +Vout |
| Warranty | | One Year |

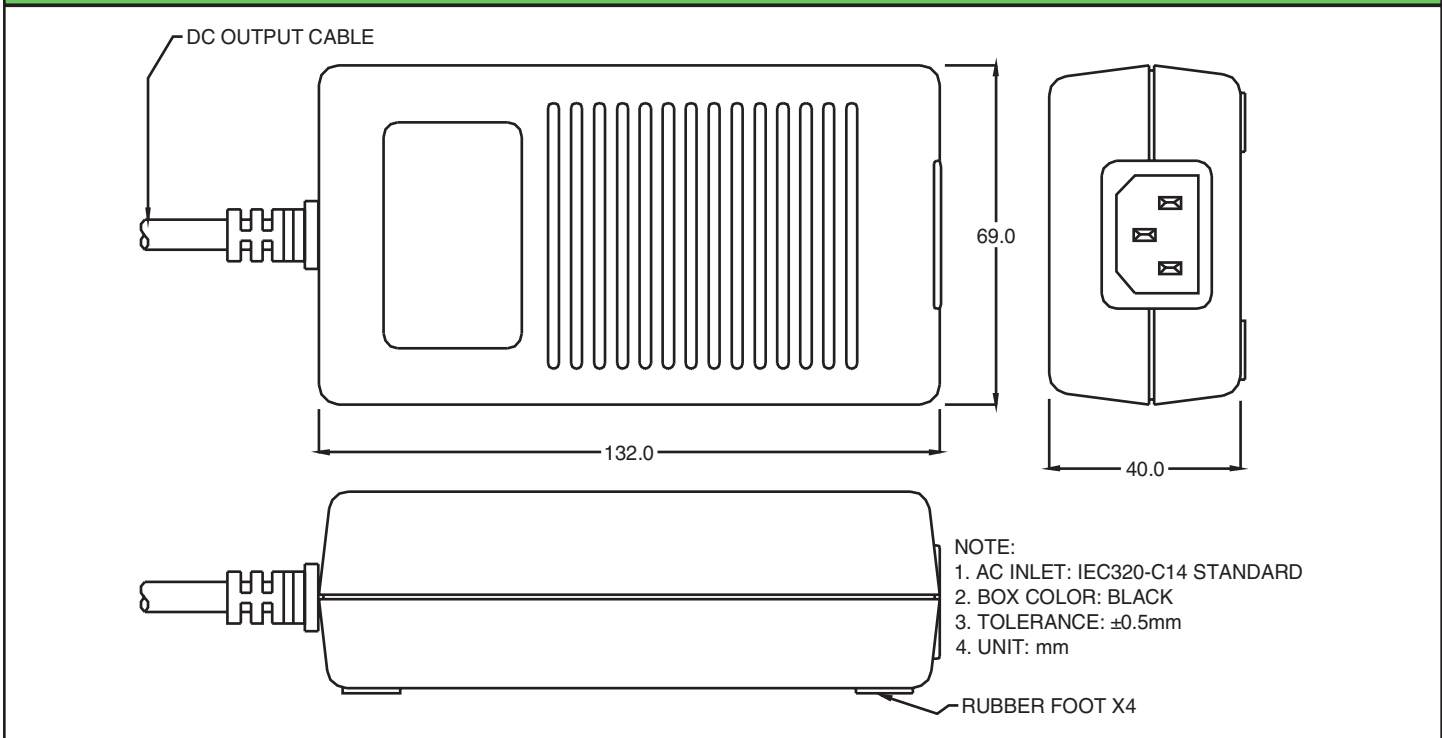
(1) EISA - Energy Independence and Security Act of 2007

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Output Ratings

| Model | Output (V) | Maximum Output (A) | Maximum Power (W) | CEC | EISA Efficiency Level |
|-------------|------------|--------------------|-------------------|-----|-----------------------|
| DTM65PW050C | 5 | 8.0 | 40 | - | - |
| DTM65PW120C | 12 | 5.0 | 60 | V | V |
| DTM65PW150C | 15 | 4.0 | 60 | V | V |
| DTM65PW180C | 18 | 3.6 | 65 | V | V |
| DTM65PW240C | 24 | 2.7 | 65 | V | V |
| DTM65PW360C | 36 | 1.8 | 65 | V | V |
| DTM65PW480C | 48 | 1.35 | 65 | V | V |

Outline Drawings



Other AC-DC Products

| | |
|---------------|-------------------------------------|
| DT62-C | 62W CEC Compliant Adapters |
| DT80-C | 80W CEC Compliant Adapters |
| DT100 / 150-C | 100W & 150W CEC Compliant Adapters |
| DTM110-C | 110W CEC Compliant Medical Adapters |

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