Medical

160W to 165W Medical AC-DC External Power Supplies



Features	Benefits
• CEC, ErP and EISA(1) Level V Compliant	• Easier System Approvals
• Wide Range AC Input	• Global Operation
• 60601-1 Medical Certification /2xMoPP	• Simplifies Equipment Design
• >87% Average Efficiency	• Consumes Less Energy

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

Specification

Model		DTM165PWxxx-C
Input Voltage Range	VAC	90 - 264VAC (47 - 63Hz)
Inrush Current	A	<130A at 230VAC input, 25°C ambient cold start
Input Current	A	2.5A at 90VAC, Full Load
Power Factor	-	Meets EN61000-3-2. >0.9 PF
Leakage Current (264VAC 60Hz)	uA	<300uA
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 19V Models:±5%, >19V models ±3%
Ripple & Noise	%	1%
Short Circuit Protection	-	<160% - hiccup mode
Overvoltage Protection	V	120 - 150% of nominal (Cycle input power to reset)
Efficiency	%	>87% average efficiency
Operating Temperature	°C	0°C to 60°C, derate linearly 50% load from 40°C to 60°C
Storage Temperature	°C	-10°C to 80°C
Humidity (non condensing)	%RH	0 - 90%RH
Cooling	-	Convection
Withstand Voltage	VAC	Input to Ground 1.5kVAC, Input to Output 4kVAC (Reinforced) (2 x MOPPs) (1)
Vibration (non operating)	-	23.52m/s² (10 - 55Hz: constant sweep 1 min X, Y, Z for 1 hour)
Shock	-	< 196.1 m/s² (20G)
Safety Agency Certification	-	UL60601-1, EN60601-1, IEC60601-1, CE Mark
Efficiency Level	-	CEC, ErP, EISA level V
Offload Power Consumption	W	< 0.5W
Conducted & Radiated EMI	-	EN55022, FCC Part 18 Class B
Immunity	-	EN55011:2007+A2:2007
Weight (Typ)	g	790
Size (WxLxH)	mm	85 x 170 x 44
Cable Length	mm	1050
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	3

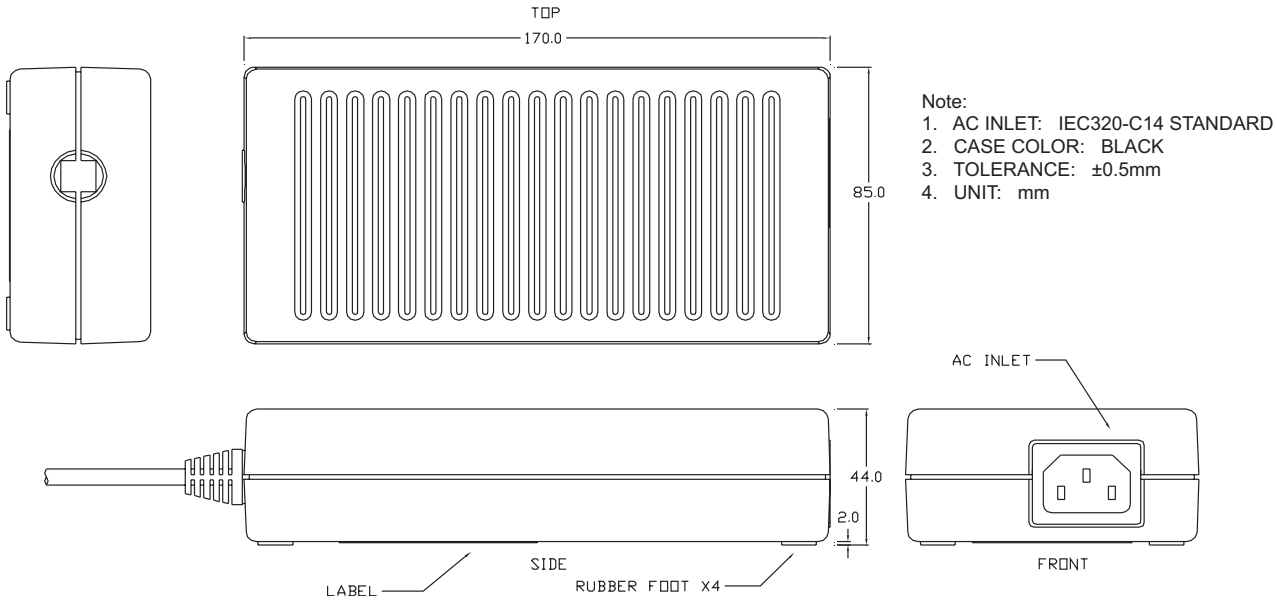
Note: (1) Output isolated and output grounded options available, see model selector

Model Selector

Model	Output (V)	Maximum Output (A)	Maximum Power (W)
DTM165PW120C	12	13.333	160
DTM165PW150C	15	10.67	160
DTM165PW190C	19	8.42	160
DTM165PW240C	24	6.88	165
DTM165PW280C	28	5.89	165
DTM165PW360C	36	4.58	165
DTM165PW480C	48	3.44	165

Standard model - output isolated from GND
Option: add suffix -G (DTM165PWxxxC-G) for output connected to GND

Outline Drawing DTM165-C Series



Other External AC-DC Products

DTM65-C	40W to 65W Medical Adapters
DTM65-C8	40W to 65W Medical Adapters
DTM110-C	90W to 110W Medical Adapters

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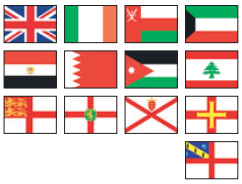

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