

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

Features

- ◆ CEC, ErP and EISA⁽¹⁾ level V Compliant Models
- ◆ Wide Range AC Input
- ◆ Medical Certifications
- ◆ > 87% Average Efficiency



Key Market Segments & Applications



Medical



RoHS

Specifications

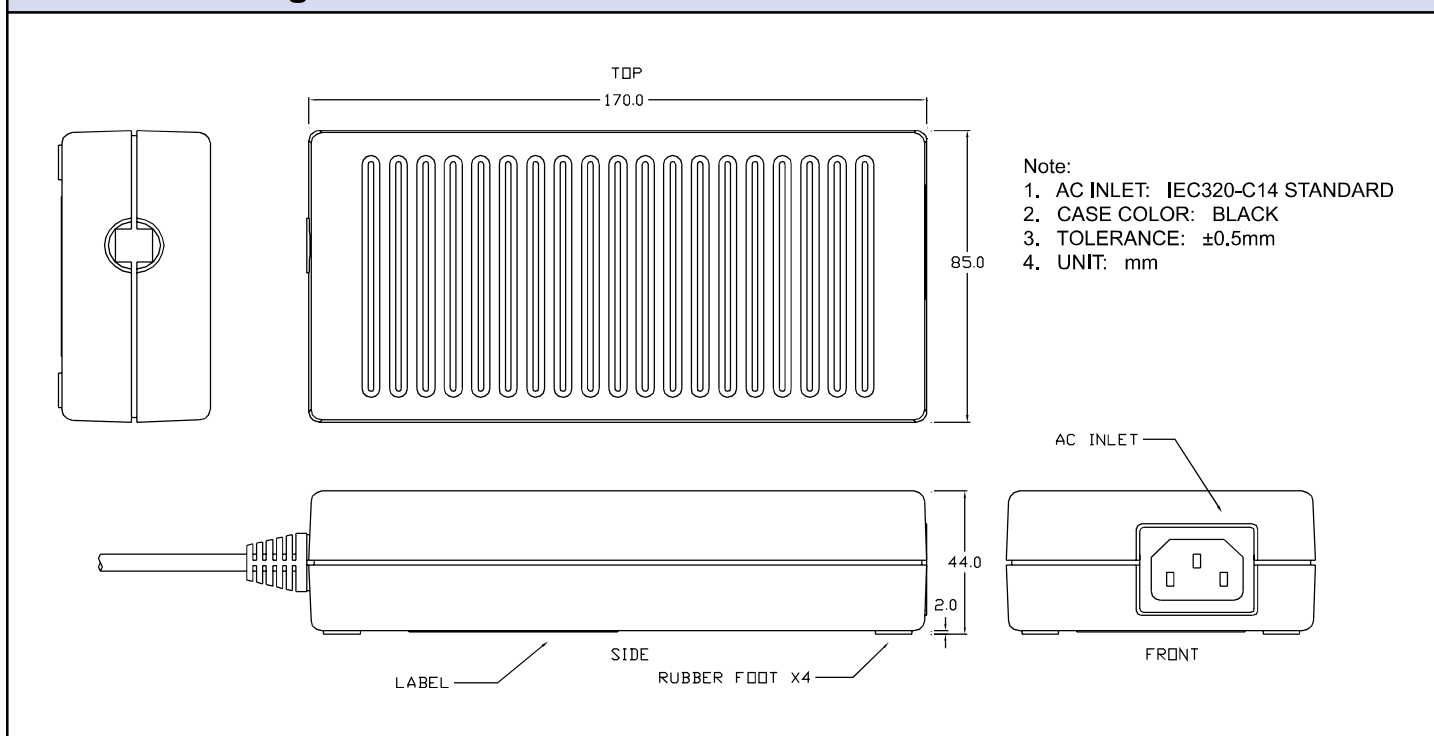
Model		DTM165PWxx-C
Input Voltage range	VAC	90 - 264VAC (47 - 63Hz)
Inrush Current	A	<130A at 230VAC input, 25°C ambient cold start
Input Current	A	2.5A at 90VAC, Full Load
Power Factor	-	Meets EN61000-3-2. >0.9 PF
Leakage Current (264VAC 60Hz)	uA	<300uA
Hold Up Time (Typ)	ms	>10ms
Temperature Coefficient	%/°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 to +60°C, derate linearly 50% load from 40 to 60°C
Storage Temperature	°C	-10 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) (Output is isolated from 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 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	-	EN55011, FCC Part 18 Class B
Immunity	-	EN55011:2007+A2:2007
Weight (Typ)	g	790
Size (LxWxH)	mm	170 x 85 x 44mm
Size (LxWxH)	in	6.7 x 3.35 x 1.73"
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	Three Years

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

Output Ratings

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

Outline Drawing



Other AC-DC Products

DT62-D	62W CEC Compliant Adapters
DTM65-C	40W to 65W Medical Adapters
DT80-D	80W CEC Compliant Adapters
DT100 / 150-C/D	100W & 150W CEC Compliant Adapters
DTM110-C	90W to 110W Medical Adapters

For Additional Information, please visit
<https://product.tdk.com/en/power/>



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[DTM165PW480C](#)