



Medical

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



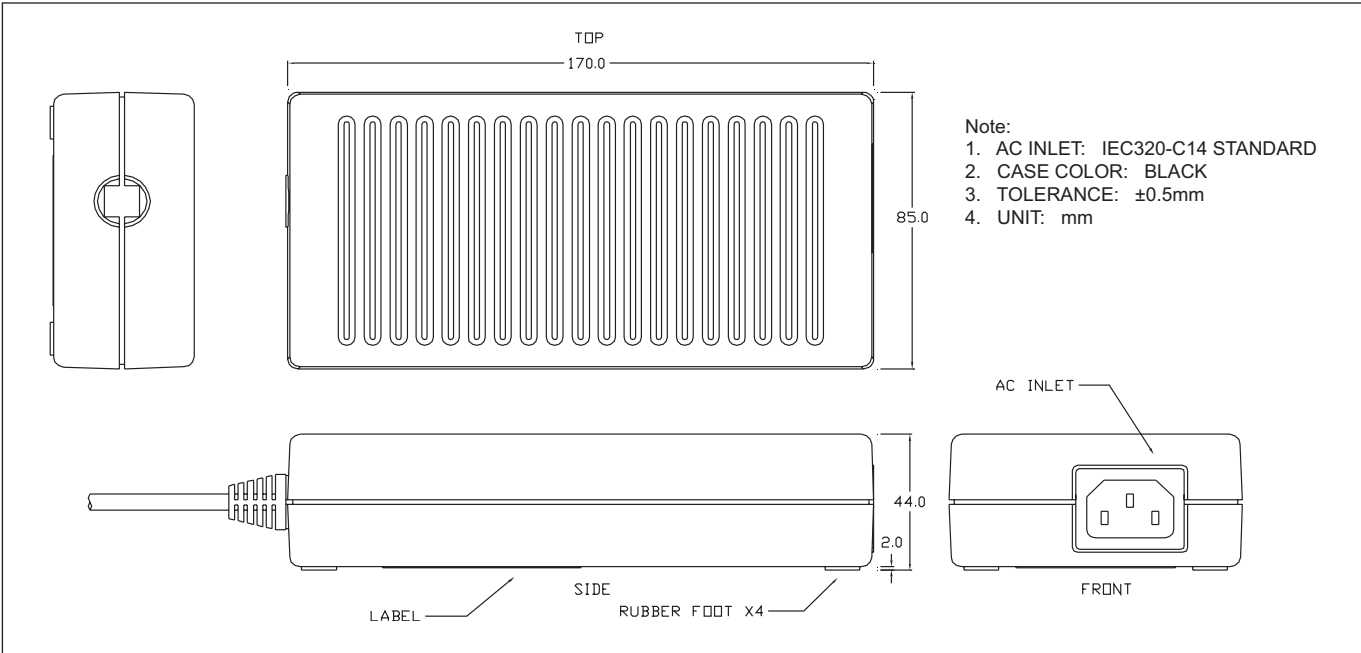
Features	Benefits
• CEC, ErP and EISA <sup>(1)</sup> Level V Compliant	• Easier System Approvals
• Wide Range AC Input	• Global Operation
• 60601-1 Medical Certification /2xMoPP	• Simplifies Equipment Design
• >87% Average Efficiency	• Consumes Less Energy

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) (Output is connected to Ground)
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 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	2

Output Rating			
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 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



## TDK-Lambda France SAS

ZAC des Delaches  
CS 41077  
9 rue Thuillere  
91978 Villebon Courtaboeuf  
France  
Tel: +33 1 60 12 71 65  
Fax: +33 1 60 12 71 66  
france@fr.tdk-lambda.com  
www.fr.tdk-lambda.com



## Italy Sales Office

Via dei Lavoratori 128/130  
20092 Cinisello Balsamo (MI)  
Italy  
Tel: +39 02 61 29 38 63  
Fax: +39 02 61 29 09 00  
info.italia@it.tdk-lambda.com  
www.it.tdk-lambda.com



## Netherlands

info@tdk-lambda.nl  
www.tdk-lambda.nl



## TDK-Lambda Germany GmbH

Karl-Bold-Strasse 40  
77855 Achem  
Germany  
Tel: +49 7841 666 0  
Fax: +49 7841 5000  
info.germany@de.tdk-lambda.com  
www.de.tdk-lambda.com



## Austria Sales Office

Aredstrasse 22  
2544 Leobersdorf  
Austria  
Tel: +43 2256 655 84  
Fax: +43 2256 645 12  
info.germany@de.tdk-lambda.com  
www.de.tdk-lambda.com



## Switzerland Sales Office

Bahnhofstrasse 50  
8305 Dietlikon  
Switzerland  
Tel: +41 44 850 53 53  
Fax: +41 44 850 53 50  
info@de.tdk-lambda.com  
www.de.tdk-lambda.com



## TDK-Lambda UK Ltd.

Kingsley Avenue  
Ilfracombe  
Devon EX34 8ES  
United Kingdom  
Tel: +44 (0) 12 71 85 66 66  
Fax: +44 (0) 12 71 86 48 94  
powersolutions@uk.tdk-lambda.com  
www.uk.tdk-lambda.com



## TDK-Lambda Ltd.

Kibbutz  
Givat Hashlosha 48800  
Israel  
Tel: +9 723 902 4333  
Fax: +9 723 902 4777  
info@tdk-lambda.co.il  
www.tdk-lambda.co.il



## C.I.S.

### Commercial Support:

Tel: +7 (495) 665 2627

### Technical Support:

Tel: +7 (812) 658 0463

info@tdk-lambda.ru

www.tdk-lambda.ru

## Local Distribution

