



- ErP¹, CEC² and EISA³ Compliant Models
- Wide Range AC Input
- Medical Certifications

Key Market Segments & Applications

Medical, Industrial Computing,
Life Sciences / Laboratory

DTM110-C Series

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

DTM110-C Features and Benefits

Features

- CEC and EISA Compliant
- Wide Range AC Input
- 87% Average Efficiency

Benefits

- Easier system compliance
- Global Operation
- Consumes less energy

Specifications

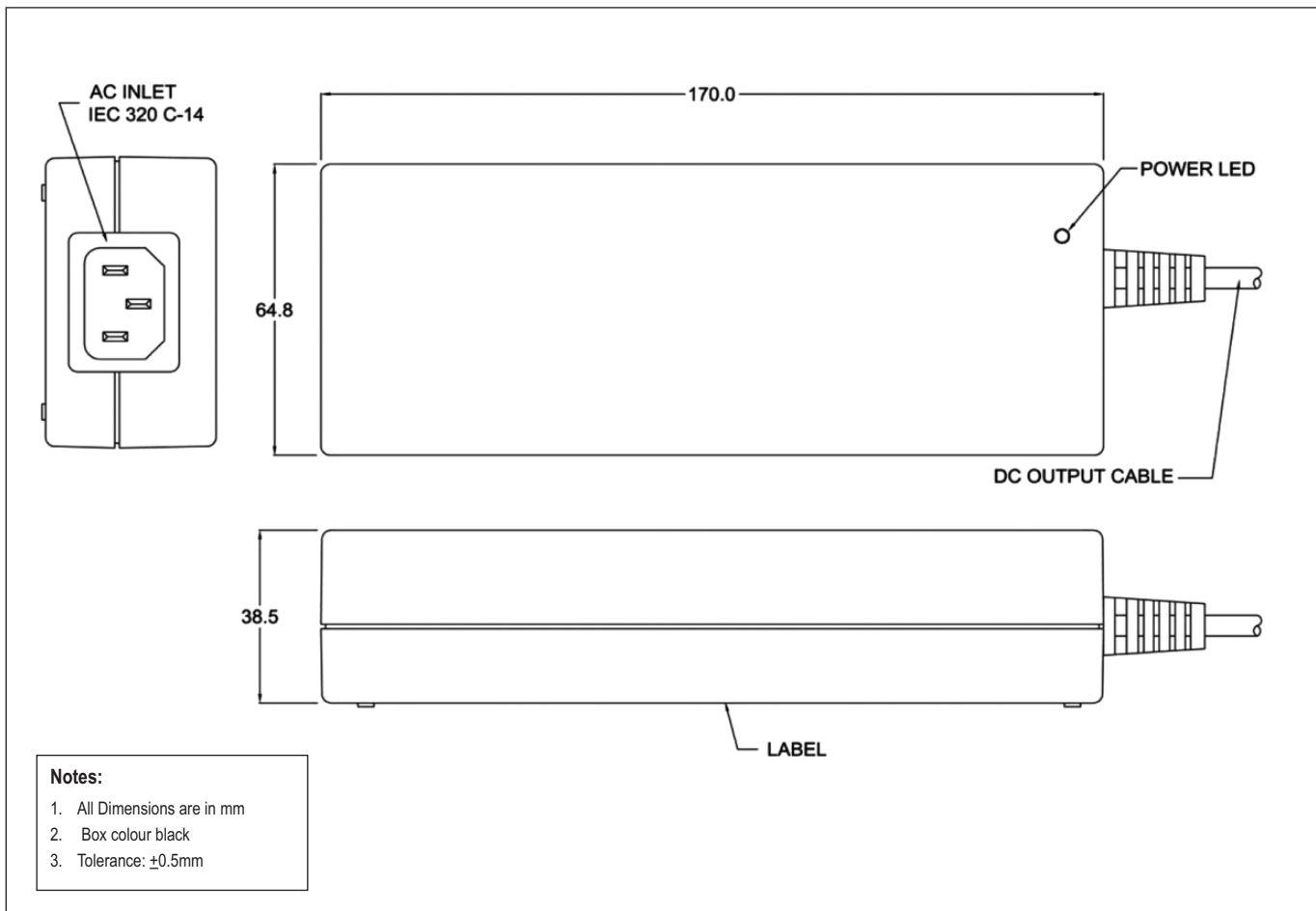
MODELS		DTM110PWxxx-C
ITEMS		
Input Voltage range	VAC	90 - 264VAC (47 - 63Hz)
Inrush Current	A	100A at 230VAC input, 25°C ambient cold start
Input Current	A	2A at 90VAC, Full Load
Power Factor	-	Meets EN61000-3-2. >0.9 PF
Leakage Current (264VAC 60Hz)	µA	Typically 300µA
Hold Up Time (Typ)	ms	>10ms
Temperature 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)
Average Efficiency	%	87%
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
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	-	CE, UL60601-1, EN60601-1, IEC60601-1
Safety Class	-	Class I
Altitude	m	3000m
Offload Power Consumption	W	< 0.5W
Conducted & Radiated EMI	-	EN60601-1-2, FCC Part 18 Class B
Immunity	-	EN55011
Weight (Typ)	g	605g
Size (WxLxH)	mm	170 x 64.8 x 38.5
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	3

Notes: (1) ErP - Energy Related Products (2) Californian Energy Commission (3) EISA - Energy Independence and Security Act of 2007

Model Selector

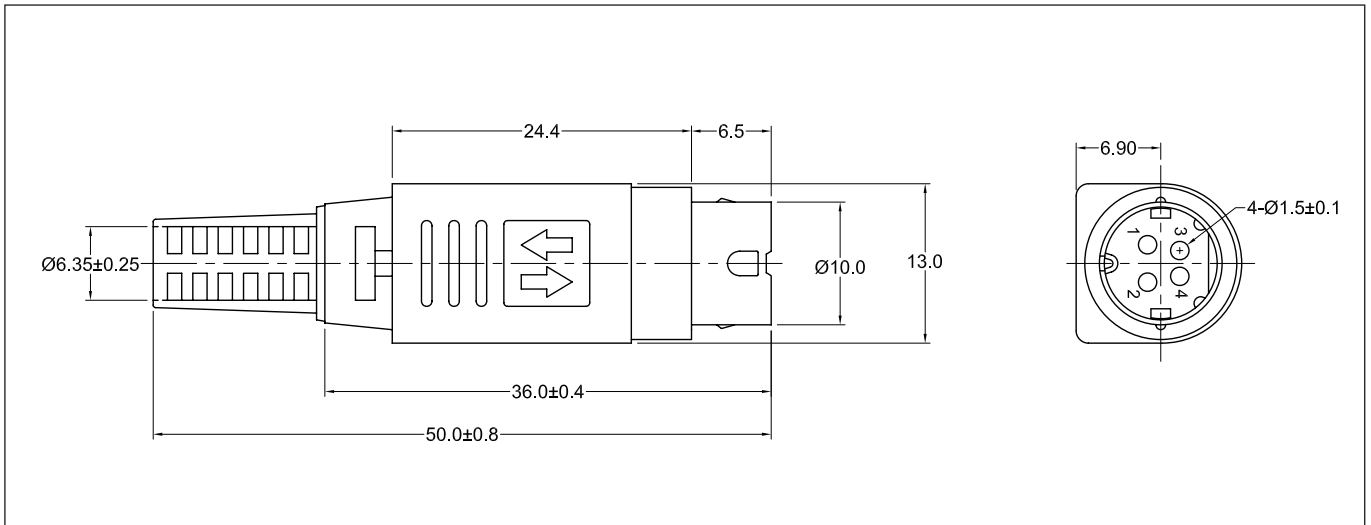
Model	Output (V)	Maximum Output (A)	Maximum Power (W)	ErP	CEC	EISA Efficiency Level
DTM110PW120C	12	7.5	90	Step 2	V	V
DTM110PW135C	13.5	6.67	90	Step 2	V	V
DTM110PW150C	15	6.67	100	Step 2	V	V
DTM110PW190C	19	5.8	110	Step 2	V	V
DTM110PW200C	20	5.5	110	Step 2	V	V
DTM110PW240C	24	4.6	110	Step 2	V	V

Outline Drawing DTM110-C Series



Other External AC-DC Products - DTM65-C, DTM65-C8, DTM165

DTM110-C Output Connector



Pinout DTM110-C Model

Pin	Function
1	- Vout
2	- Vout
3	+ Vout
4	+ Vout

Alternative output connectors are available
Please contact Sales for further information (min quantities apply)



TDK-Lambda France SAS

Tel: +33 1 60 12 71 65
 tlf.fr.powersolutions@tdk.com
 www.emea.lambda.tdk.com/fr



Italy Sales Office

Tel: +39 02 61 29 38 63
 tlf.it.powersolutions@tdk.com
 www.emea.lambda.tdk.com/it



Netherlands

tlf.nl.powersolutions@tdk.com
 www.emea.lambda.tdk.com/nl



TDK-Lambda Germany GmbH

Tel: +49 7841 666 0
 tlq.powersolutions@tdk.com
 www.emea.lambda.tdk.com/de



Austria Sales Office

Tel: +43 2256 655 84
 tlq.at.powersolutions@tdk.com
 www.emea.lambda.tdk.com/at



Switzerland Sales Office

Tel: +41 44 850 53 53
 tlq.ch.powersolutions@tdk.com
 www.emea.lambda.tdk.com/ch



Nordic Sales Office

Tel: +45 8853 8086
 tlq.dk.powersolutions@tdk.com
 www.emea.lambda.tdk.com/dk



TDK-Lambda UK Ltd.

Tel: +44 (0) 12 71 85 66 66
 tlu.powersolutions@tdk.com
 www.emea.lambda.tdk.com/uk



TDK-Lambda Ltd.

Tel: +9 723 902 4333
 tli.powersolutions@tdk.com
 www.emea.lambda.tdk.com/il-en



TDK-Lambda Americas

Tel: +1 800-LAMBDA-4 or 1-800-526-2324
 tla.powersolutions@tdk.com
 www.us.lambda.tdk.com



TDK Electronics do Brasil Ltda

Tel: +55 11 3289-9599
 sales.br@tdk-electronics.tdk.com
 www.tdk-electronics.tdk.com/en



TDK-Lambda Corporation

Tel: +81-3-6778-1113
 www.jp.lambda.tdk.com



TDK-Lambda (China) Electronics Co. Ltd.

Tel: +86 21 6485-0777
 tlc.powersolutions@tdk.com
 www.lambda.tdk.com.cn



TDK-Lambda Singapore Pte Ltd.

Tel: +65 6251 7211
 tfs.marketing@tdk.com
 www.sg.lambda.tdk.com



TDK India Private Limited, Power Supply Division

Tel: +91 80 4039-0660
 mathew.philip@tdk.com
 www.sg.lambda.tdk.com

