

90-110W Medical AC-DC External Power Supplies

Features

- ◆ CEC, EISA⁽¹⁾ & ErP Stage 2 Compliant
- ◆ Wide Range AC Input
- ◆ Medical Certifications
- ◆ > 87% Average Efficiency



Key Market Segments & Applications



Specifications

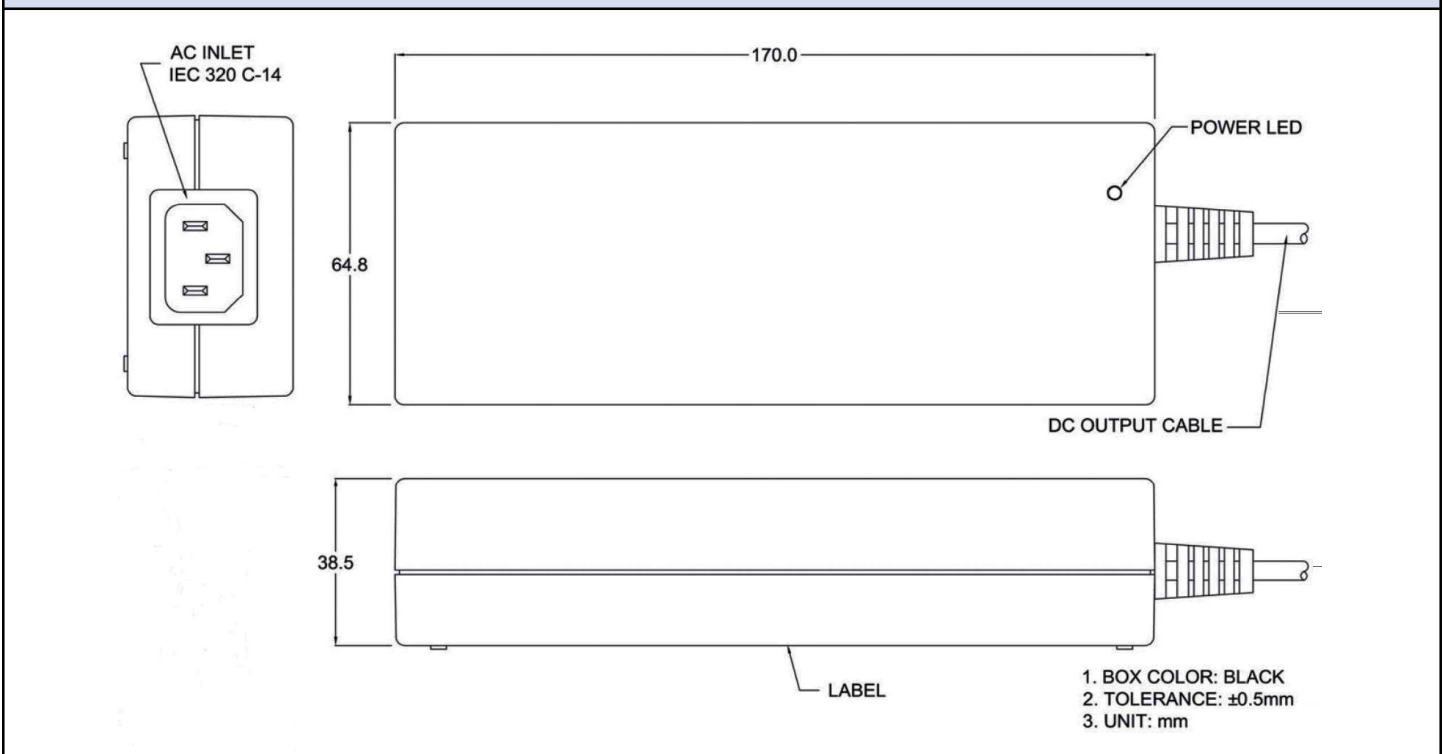
Model		DTM110PWxxx-C
Input Voltage range	VAC	90 - 264VAC (47 - 63Hz)
Inrush Current	A	<100A at 230VAC input, 25°C ambient cold start
Input Current	A	2A at 90VAC, Full Load
Power Factor	-	Meets EN61000-3-2. >0.9 PF
Leakage Current (264VAC 60Hz)	µA	<300µA
Hold Up Time (Typ)	ms	>10ms
Temperature Coefficient	%/°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)
Efficiency	%	>87% average efficiency
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 (Reinforced) (2 x MOPPS 3rd Edition) (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 Approvals	-	UL/CSA/IEC/EN 60601-1, ANSI/AAMI ES60601-1, CE Mark
California Energy Commission (CEC)	-	See model selector
EISA	-	See model selector
Offload Power Consumption	W	< 0.5W
Conducted & Radiated EMI	-	EN55022, EN60601-1-2, FCC Part 18 Class B
Immunity	-	EN55024
Weight (Typ)	g	605g
Size (LxWxH)	mm	170 x 64.7 x 38.4mm
Size (LxWxH)	in	6.7 x 2.55 x 1.51"
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)	CEC	EISA Efficiency Level
DTM110PW120C	12	7.5	90	V	V
DTM110PW135C	13.5	6.67	90	V	V
DTM110PW150C	15	6.67	100	V	V
DTM110PW190C	19	5.8	110	V	V
DTM110PW200C	20	5.5	110	V	V
DTM110PW240C	24	4.6	110	V	V

Outline Drawing



Other AC-DC Products

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

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

