

110W Medical/ITE Class II External Power Supplies

Features

- ◆ Meets DoE Level VI & EU Tier 2 Efficiency
- ◆ Medical & ITE Certifications
- ◆ Class II Input (No Earth Ground Required)
- ◆ < 0.15W Off-load Power Draw
- ◆ Meets IEC60601-1-2 Ed4 & 60601-1-11
- ◆ Suitable for B & BF Rated Equipment



Key Market Segments & Applications



Specifications

Model		DTM110-C8
Input Voltage range	VAC	90 - 264VAC (47 - 63Hz)
Inrush Current	A	<120A at 230VAC input, 25°C ambient cold start
Input Current	A	2A @90VAC; 1.25A @264VAC Maximum
Touch Current	-	<100uA @ 264VAC
Power Factor	-	Meets EN61000-3-2, >0.9 at 230VAC full load
Hold Up Time (Typ)	ms	10ms at 115VAC input
Temperature Coefficient	%/°C	±0.05%/°C
Adjustment Range	-	None
Minimum Load	A	None
Total Regulation	%	12-19V: ±5%, 24-48V: ±3%
Ripple & Noise (pk-pk)	mV	150mV
Overload & Short Circuit Protection	-	105 - 150% - hiccup mode
Oversupply Protection	V	Cycle input power to reset
Efficiency	%	>89%, average efficiency
Operating Temperature	°C	-20 to +60°C derate linearly to 50% load from 40 to 60°C Derate linearly to 80% load from 0 to -20°C
Storage Temperature	°C	-20 to +85°C
Humidity (non condensing)	%RH	0 - 95%RH
Cooling	-	Convection
Withstand Voltage	VAC	Input to Output 4kVAC (2xMoPP)
Safety Agency Certification	-	IEC/ES/CSA/EN60601-1, IEC60601-1-11, IEC/UL/CSA/EN60950-1, CE Mark
Offload Power Consumption	W	< 0.15W
EMC	-	IEC60601-1-2 Ed4:2014, EN55011 Class B, EN55032 Class B, FCC Part 15 Class B, FCC Part 18 Class B
IP Rating	-	IP41
Altitude	m	5,000m maximum
Weight (Typ)	g	780g
Size (LxWxH)	mm	140 x 63 x 33mm
Size (LxWxH)	in	5.5 x 2.48 x 1.29"
Cable Length	mm	1000mm
AC Input Connector	-	IEC 320-C8 (2 prong)
Output Connector	-	Kycon KPPX-4P or equivalent; Pins 1 & 2: -Vout, Pins 3 & 4: +Vout
Warranty	yrs	Three Years

Notes:

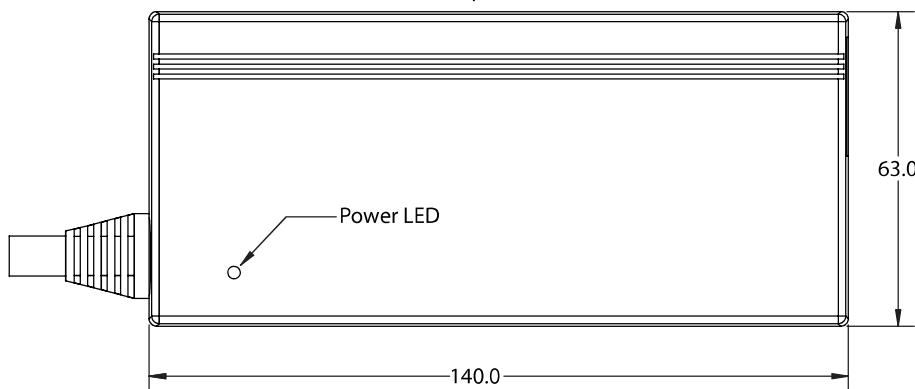
Other connectors are available. Contact factory.

Model Selector

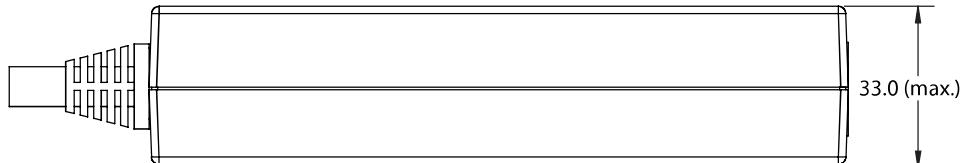
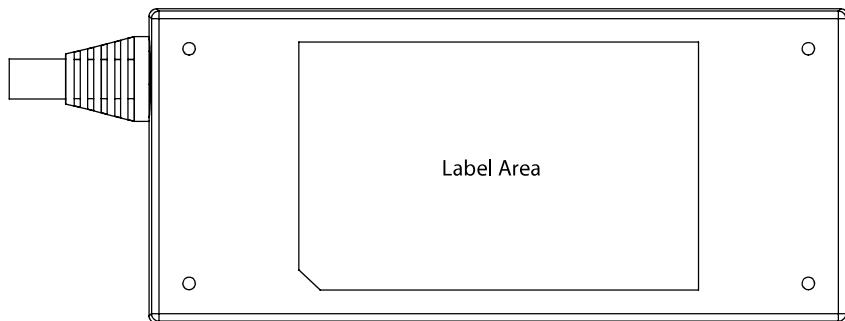
Model	Output (V)	Maximum Output (A)	Maximum Power (W)
DTM110PW120C8	12V	8.75A	105W
DTM110PW150C8	15V	7.34A	110W
DTM110PW190C8	19V	5.79A	110W
DTM110PW240C8	24V	4.59A	110W
DTM110PW280C8	28V	3.93A	110W
DTM110PW360C8	36V	3.06A	110W
DTM110PW480C8	48V	2.29A	110W

Outline Drawing

Top View



Side View

Front View
IEC320-C8

Bottom View

Note: 1. AC Inlet: IEC320-C8
 2. Plastic Case Color: Black
 3. Tolerance: +/-0.5mm
 4. Unit: mm

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



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TDK-Lambda](#):

[DTM110PW120C8](#) [DTM110PW150C8](#) [DTM110PW190C8](#) [DTM110PW240C8](#) [DTM110PW280C8](#)

[DTM110PW360C8](#) [DTM110PW480C8](#)