



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

Key Market Segments & Applications

Medical, Industrial Computing,
Life Sciences / Laboratory

DTM65-C Series

40W to 65W Medical AC-DC External Power Supplies

DTM65-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

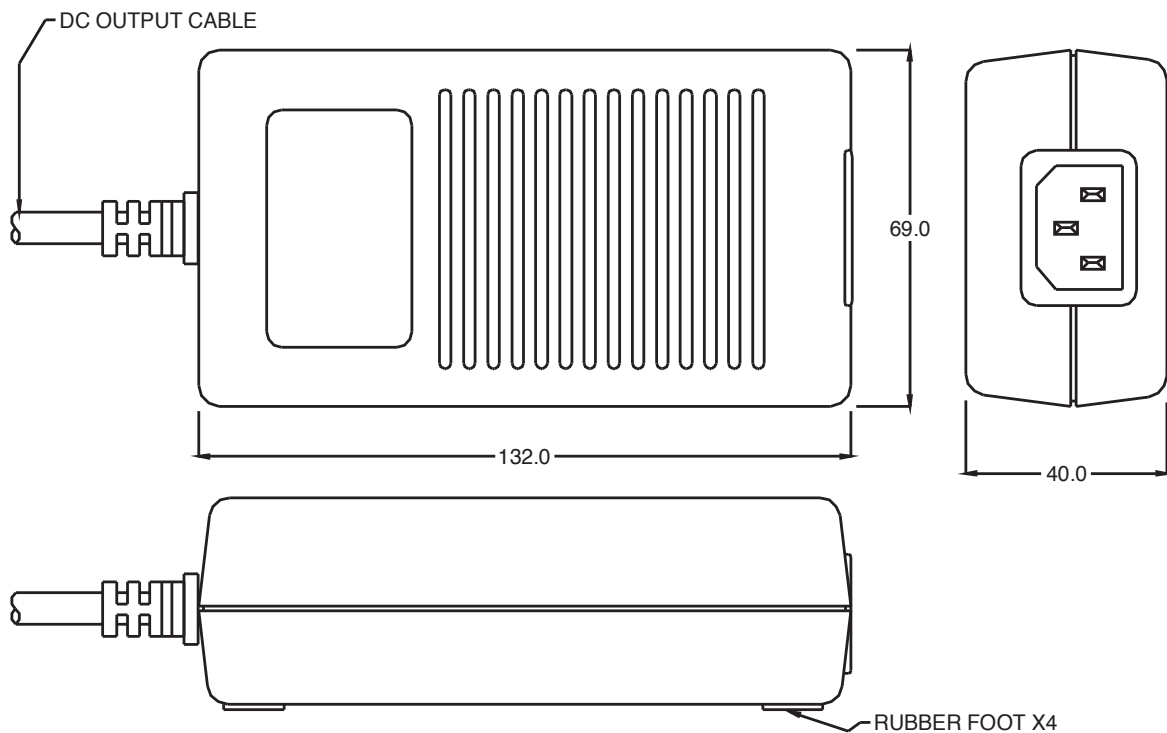
ITEMS		DTM65-C
Input Voltage range		90 - 264VAC (47 - 63Hz)
Inrush Current	A	100A at 230VAC input, 25°C ambient cold start
Input Current	A	2A at 90VAC, Full Load
Power Factor		None
Leakage Current (264VAC 63Hz)	mA	<300uA
Hold Up Time (Typ)	ms	16ms at 230VAC input
Temperature Coefficient		±0.05%/°C
Voltage Accuracy	%	±1%
Adjustment Range		None
Minimum Load	A	None
Total Regulation		12V Model: ±5%, >15V models ±3%
Ripple & Noise	%	1% or 100mV whichever is the greater
Short Circuit Protection	-	Continuous - hiccup mode
Overvoltage Protection	V	110 - 150% of nominal (Cycle input power to reset)
Average Efficiency	%	87%
Operating Temperature	°C	0 to +50°C
Storage Temperature	°C	-10 to +70°C
Humidity (non condensing)		10 - 90% RH
Cooling	-	Convection
Withstand Voltage		Input to Ground 1.5kVAC, Input to Output 4kVAC (Output is connected to 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	-	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	460g
Size (WxLxH)	mm	69 x 132 x 39.9
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	2

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
DTM65PW120C	12	5.0	60	Step 2	V	V
DTM65PW150C	15	4.0	60	Step 2	V	V
DTM65PW180C	18	3.6	65	Step 2	V	V
DTM65PW240C	24	2.7	65	Step 2	V	V
DTM65PW360C	36	1.8	65	Step 2	V	V
DTM65PW480C	48	1.35	65	Step 2	V	V

Outline Drawing DTM65-C Series

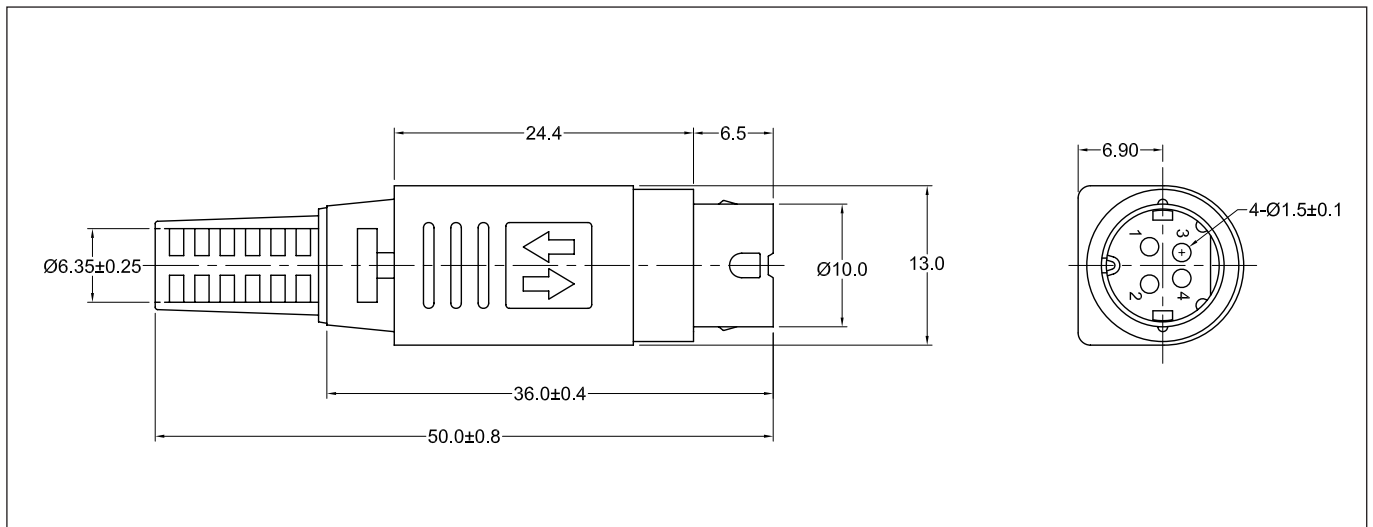


Notes:

1. AC Inlet: IEC320-C14 Standard
2. Box colour black
3. Tolerance: $\pm 0.5\text{mm}$
4. All Dimensions are in mm

Other External AC-DC Products - **DTM110-C**

DTM65-C Output Connector



Pinout DTM65-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)

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