



- EU ErP Tier 2, DOE level VI Compliant Models
- Wide Range AC Input
- Medical Certifications

Key Market Segments & Applications

Medical, Industrial Computing,
Life Sciences / Laboratory

DTM65-D Series

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

DTM65-D Features and Benefits

Features

- EU Erp Tier 2, DOE level VI
- Wide Range AC Input
- >89% Average Efficiency ¹

Benefits

- Easier system compliance
- Global Operation
- Consumes less energy

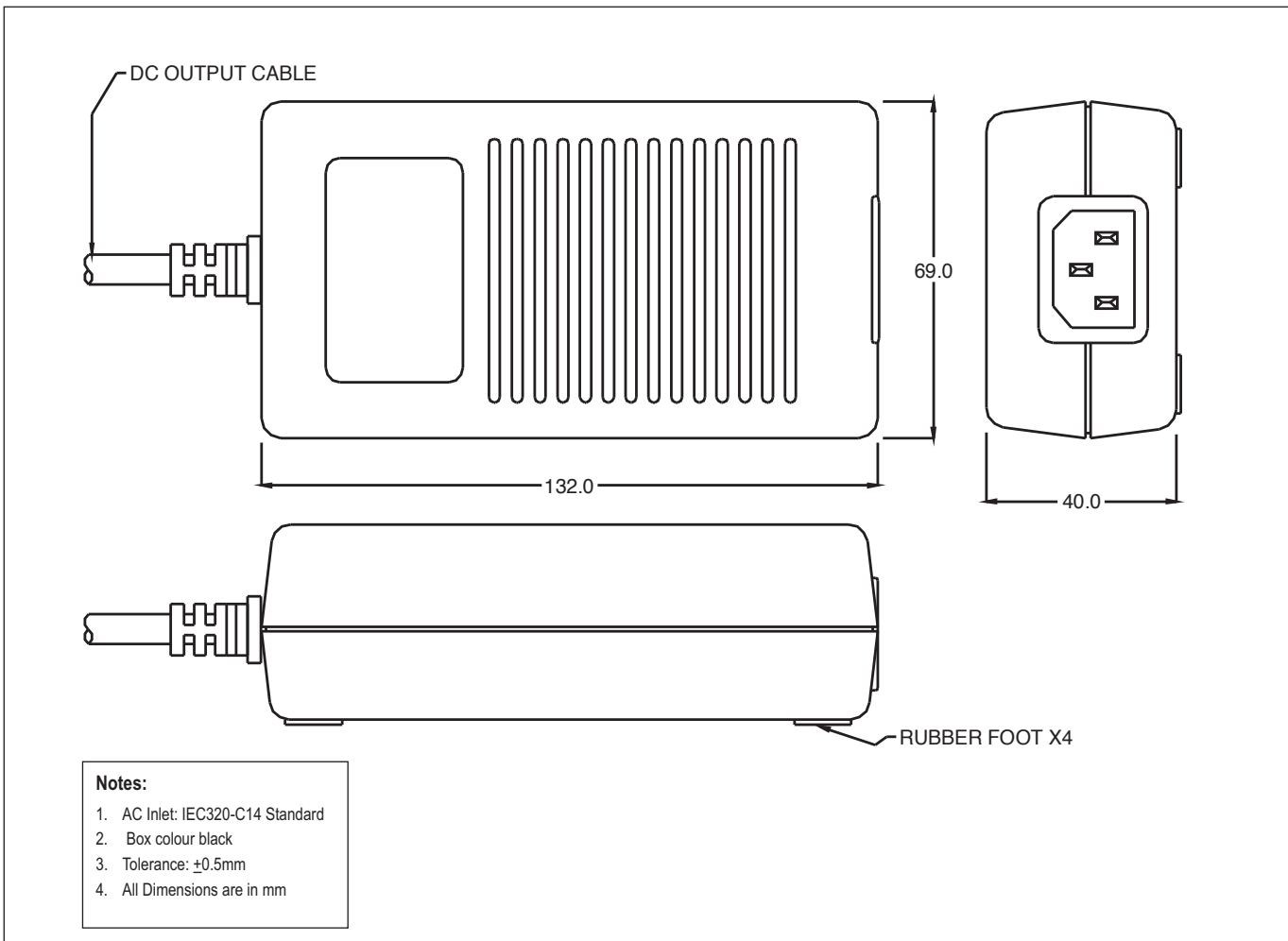
Specifications

ITEMS		DTM65-D
Input Voltage Range		90 - 264VAC (47 - 63Hz)
Inrush Current ²	A	90A at 230VAC input, 25°C ambient cold start
Input Current	A	2A at 90VAC, Full Load
Power Factor		None
Earth Leakage Current (264VAC 63Hz)	µA	<300µA
Touch Current	µA	<100µA
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		5V, 12V, 15V models: ±5%, 19V model: ±3%
Ripple & Noise	%	1% or 120mV whichever is the greater
Short Circuit Protection	-	Continuous - hiccup mode
Overvoltage Protection	V	110 - 150% of nominal (Cycle input power to reset)
Average Efficiency	%	89%
Operating Temperature	°C	-20°C to +60°C (Derate linearly to 50% load from +51°C to +60°C)
Storage Temperature	°C	-20°C to +85°C
Humidity (non condensing)		20 - 90% RH
Cooling	-	Convection
Withstand Voltage		Input to Ground 1.5kVAC, Input to Output 4kVAC (2 x MOPPs) (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	5000m
Offload Power Consumption	W	< 0.15W
Conducted & Radiated EMI		EN55011B, EN60601-1-2, FCC Part 18 Class B
Immunity		IEC60601-1-2, Ed4:2014/2015
Weight (Typ)	g	390g
Size (WxLxH)	mm	69 x 132 x 40
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) Average efficiency 87.3% for 5V model (2) Inrush current for 5V model 120A peak @ 230VAC cold start @ 25°C

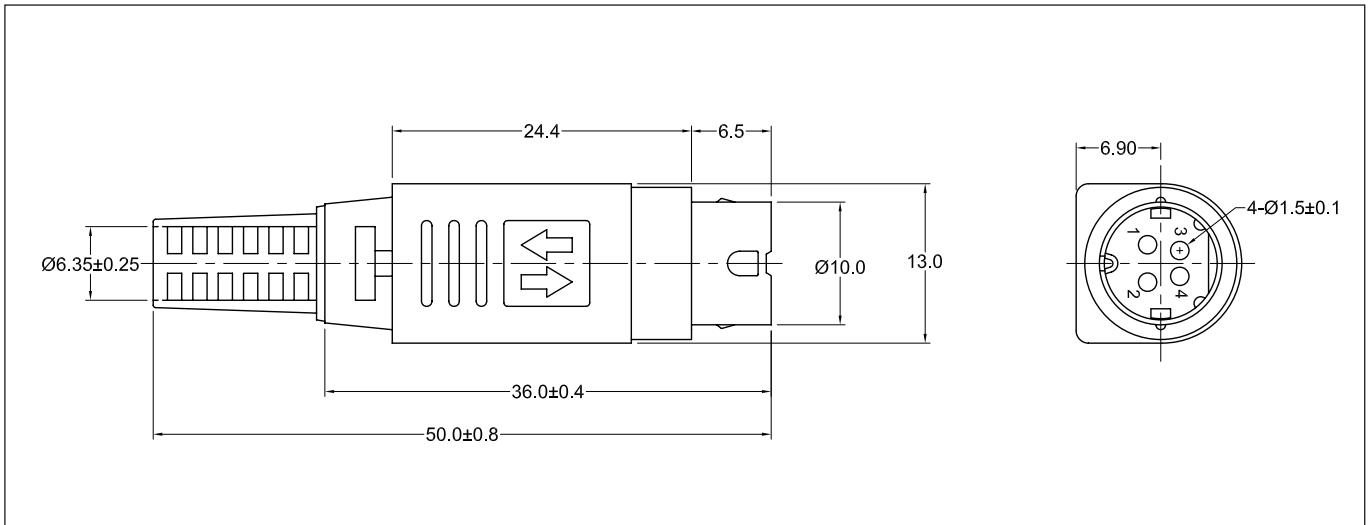
Model Selector					
Model	Output (V)	Maximum Output (A)	Maximum Power (W)	ErP	DOE Efficiency Level
DTM65PW050D	5	8.0	40	Tier 2	VI
DTM65PW120D	12	5.0	60	Tier 2	VI
DTM65PW150D	15	4.0	60	Tier 2	VI
DTM65PW190D	19	3.6	65	Tier 2	VI
DTM65PW240D	24	2.7	65	Tier 2	VI
DTM65PW280D	28	2.32	65	Tier 2	VI
DTM65PW360D	36	1.8	65	Tier 2	VI
DTM65PW480D	48	1.35	65	Tier 2	VI

Outline Drawing DTM65-D Series



Other External AC-DC Products - **DTM65-C8, DTM110-C, DTM110-C8, DTM165, DTM250, DTM300**

DTM65-D Output Connector



Pinout DTM65-D 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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