

DTM65-C Series

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



- ◆ CEC & EISA(1) Compliant Models
- ◆ Wide Range AC Input
- ◆ Medical Certifications

RoHS

Features and Benefits

Feature	Benefit
◆ CEC and EISA Compliant	◆ Easier system compliance
◆ Wide Range AC Input	◆ Global Operation
◆ > 85% Efficient	◆ Consumes less energy

Specifications

ITEMS		
Input Voltage range		90 - 264VAC (47 - 63Hz)
Inrush Current	A	<60A 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 115VAC input
Temperature Coefficient		±0.05%/°C
Voltage Accuracy	%	±1%
Adjustment Range		None
Minimum Load	A	None
Total Regulation		5V to 15V Models:±5%, >15V models ±3%
Ripple & Noise	%	1% or 100mV whichever is the greater
Short Circuit Protection	-	Continuous - hiccup mode
Overvoltage Protection	V	110 - 130% of nominal (Cycle input power to reset)
Efficiency	%	>85%, average load for 15V and greater models, >75% <15V models
Operating Temperature		0 to +50°C
Storage Temperature		-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	-	UL60601-1, EN60601-1, IEC60601-1
California Energy Commission (CEC)		See model selector
EISA		See model selector
Offload Power Consumption		< 0.5W
Conducted & Radiated EMI		EN55011, EN60601-1-2 Class B
Immunity		EN55024
Weight (Typ)	g	460g
Size (WxLxH)	in	2.72 x 5.2 x 1.57
Cable Length	mm	1050mm
AC Input Connector		IEC 320-C14 (Accepts IEC 320-C13)
Output Connector		Kycon KPP-4P or equivalent, Pins 1 & 2: -Vout, Pins 3 & 4: +Vout
Warranty		One Year

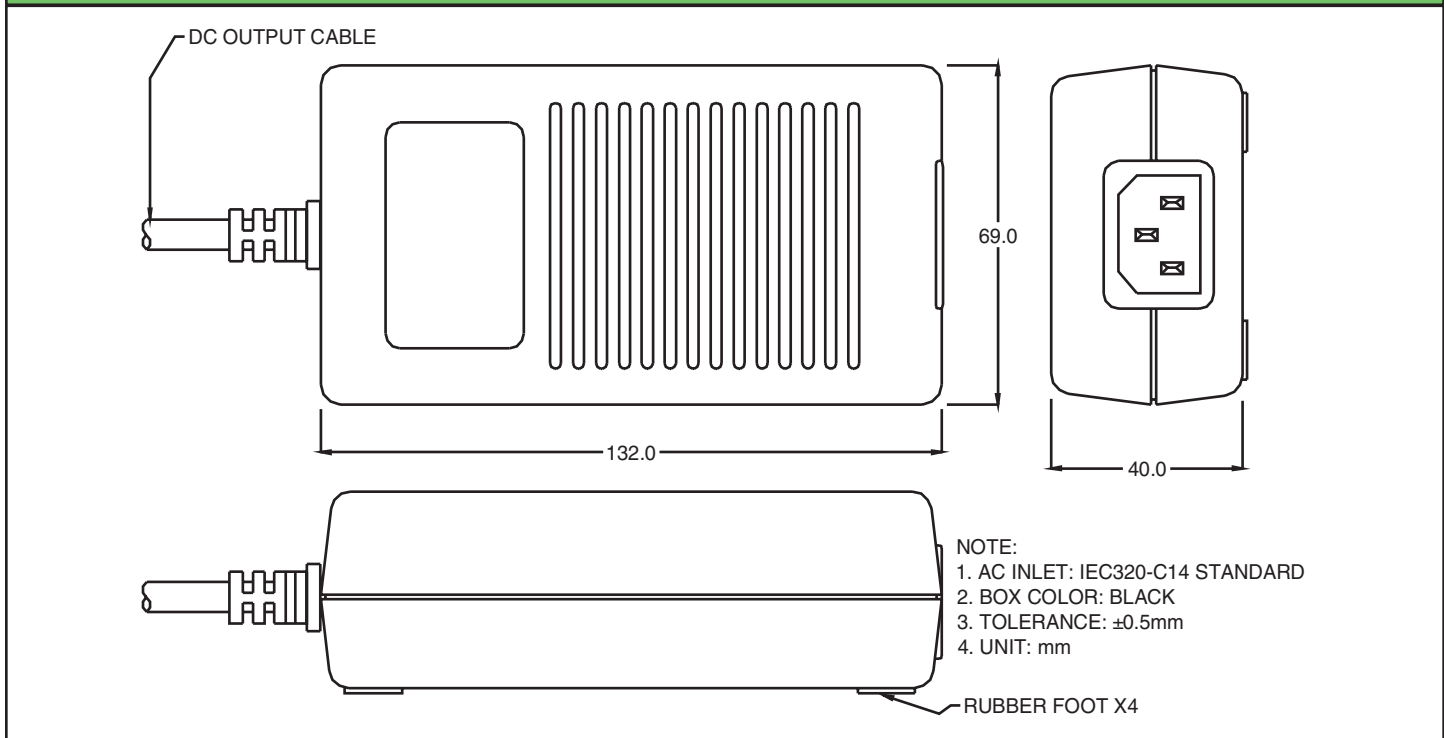
(1) EISA - Energy Independence and Security Act of 2007

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Output Ratings

Model	Output (V)	Maximum Output (A)	Maximum Power (W)	CEC	EISA Efficiency Level
DTM65PW050C	5	8.0	40	-	-
DTM65PW120C	12	5.0	60	V	V
DTM65PW150C	15	4.0	60	V	V
DTM65PW180C	18	3.6	65	V	V
DTM65PW240C	24	2.7	65	V	V
DTM65PW360C	36	1.8	65	V	V
DTM65PW480C	48	1.35	65	V	V

Outline Drawings



Other AC-DC Products

DT62-C	62W CEC Compliant Adapters
DT80-C	80W CEC Compliant Adapters
DT100 / 150-C	100W & 150W CEC Compliant Adapters
DTM110-C	110W CEC Compliant Medical Adapters

For Additional Information, please visit us.tdk-lambda.com/lp/products/dt-c-series.htm