



150W AC-DC External Power Supplies

Features	Benefits
• EU CoC Tier 2 & DoE Level VI Compliant ^{(1) (2)}	• Easier system compliance
• Wide Range AC Input	• Global Operation
• 89% Average Efficiency	• Consumes less energy



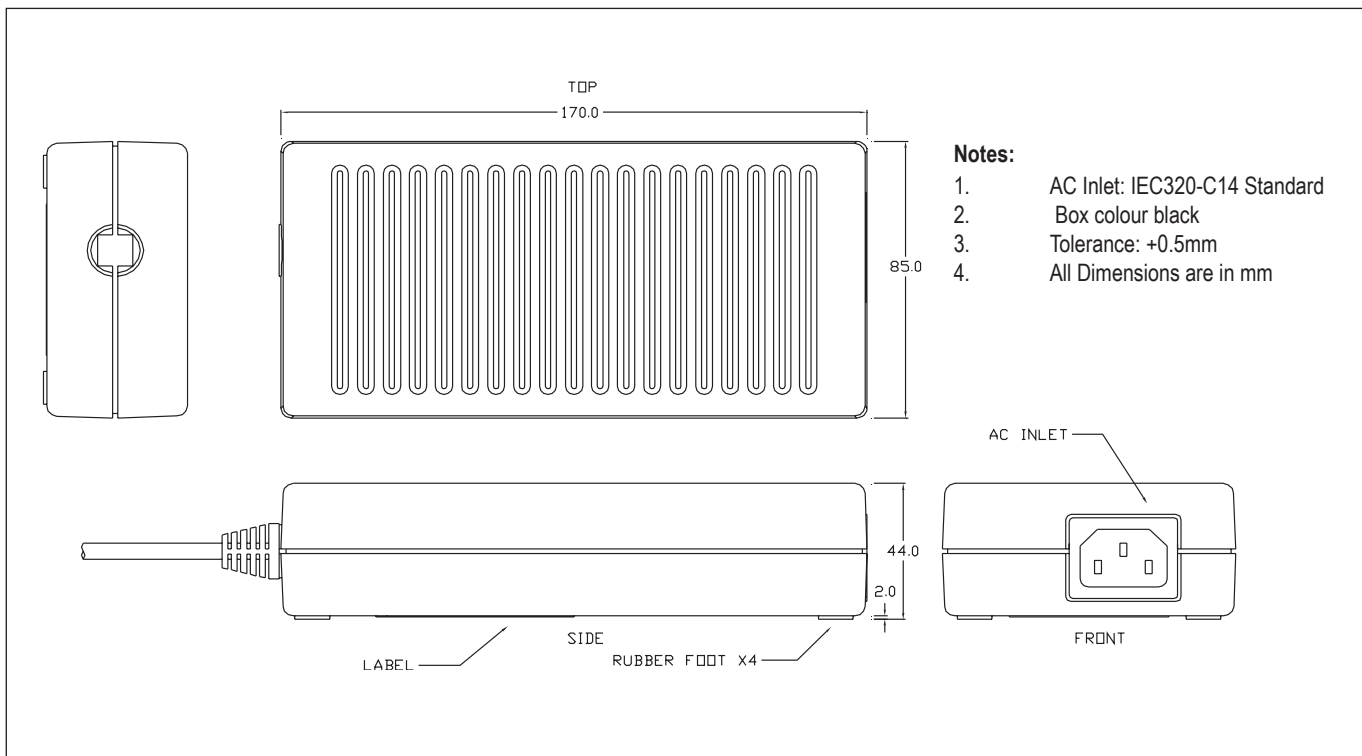
Specification		DT150PWxxx-D
Model		DT150PWxxx-D
Input Voltage range	-	90 - 264VAC (47 - 63Hz)
Inrush Current	A	<60A at 230VAC input, 25°C ambient cold start
Input Current (Maximum)	A	2.5A
Power Factor	-	Typically 0.9 at full load (Meets EN61000-3-2)
Leakage Current	µA	<600µA at 264VAC 60Hz
Hold Up Time (Typ)	ms	>20ms at 115VAC input
Temperature Coefficient	-	±0.05%/°C
Voltage Accuracy	%	±1%
Adjustment Range	-	None
Minimum Load	A	None
Total Regulation	-	+5% / -2%
Ripple & Noise	%	See model selector
Short Circuit Protection	-	Continuous - hiccup mode (Auto Recovery)
Overvoltage Protection	V	110 - 130% of nominal (Cycle input power to reset)
Efficiency	%	>89% Avg. Active Efficiency
Operating Temperature	°C	0 to +60°C
Storage Temperature	°C	-10 to +85°C
Humidity (non condensing)	-	20 - 90% RH
Cooling	-	Convection
Withstand Voltage	VAC	Input to Ground 1.5kVAC, Input to Output 3kVAC, (output is connected to ground internally)
Isolation Resistance	Ω	>20MΩ at 25°C & 70%RH
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	-	IEC/UL/CSA/EN 62368-1, IEC/UL/CSA/EN 62368-1, CE Mark
Safety Class	-	Class I
Off Load Power Consumption	-	< 0.21W
Conducted & Radiated EMI	-	EN55022-B, FCC Class B
Immunity	-	EN55024
Weight (Typ)	g	780g
Size (WxLxH)	mm	85 x 170 x 44
Cable Length & Thickness	mm	1050mm; 12 to 24V Models: #14 AWG, 36 to 48V Models: #16 AWG
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
MTBF	-	140,000 hours, 100% load, 25°C ambient, MIL-HNBK
Warranty	yrs	2

Notes: (1) EU CoC - European Code of Conduct (2) Department of Energy

Model Selector

Model	Output (V)	Maximum Output (A)	Maximum Power (W)	Ripple & Noise (mV)	ErP2	CEC V	EISA Efficiency Level VI
DT150PW120D	12	11.67	140	240	Y	Y	Y
DT150PW160D	16	9.38	150	320	Y	Y	Y
DT150PW190D	19	7.90	150	380	Y	Y	Y
DT150PW240D	24	6.25	150	480	Y	Y	Y
DT150PW360D	36	4.17	150	480	Y	Y	Y
DT150PW480D	48	3.13	150	480	Y	Y	Y

Outline Drawing DT150-D Series





TDK-Lambda France SAS

3 Avenue du Canada
Parc Technopolis
Bâtiment Sigma
91940 les Ulis
France
Tel: +33 1 60 12 71 65
Fax: +33 1 60 12 71 66
france@fr.tdk-lambda.com
www.emea.lambda.tdk.com/fr



Italy Sales Office

Via Giacomo Matteotti 62
20092 Cinisello Balsamo (MI)
Italy
Tel: +39 02 61 29 38 63
Fax: +39 02 61 29 09 00
info.italia@it.tdk-lambda.com
www.emea.lambda.tdk.com/it



Netherlands

info@nl.tdk-lambda.com
www.emea.lambda.tdk.com/nl



TDK-Lambda Germany GmbH

Karl-Bold-Strasse 40
77855 Achern
Germany
Tel: +49 7841 666 0
Fax: +49 7841 5000
info.germany@de.tdk-lambda.com
www.emea.lambda.tdk.com/de



Austria Sales Office

Aredstrasse 22
2544 Leobersdorf
Austria
Tel: +43 2256 655 84
Fax: +43 2256 645 12
info@at.tdk-lambda.com
www.emea.lambda.tdk.com/at



Switzerland Sales Office

Eichtalstrasse 55
8634 Hombrechtikon
Switzerland
Tel: +41 44 850 53 53
Fax: +41 44 850 53 50
info@ch.tdk-lambda.com
www.emea.lambda.tdk.com/ch



Nordic Sales Office

Haderslevvej 36B
DK-6000 Kolding
Denmark
Tel: +45 8853 8086
info@dk.tdk-lambda.com
www.emea.lambda.tdk.com/dk



TDK-Lambda UK Ltd.

Kingsley Avenue
Ilfracombe
Devon EX34 8ES
United Kingdom
Tel: +44 (0) 12 71 85 66 66
Fax: +44 (0) 12 71 86 48 94
info@uk.tdk-lambda.com
www.emea.lambda.tdk.com/uk



TDK-Lambda Ltd.

1 Alexander Yanai
Segula
Petah-Tikva
Israel
Tel: +9 723 902 4333
Fax: +9 723 902 4777
info@tdk-lambda.co.il
www.emea.lambda.tdk.com/il



C.I.S.

Commercial Support:
Tel: +7 (495) 665 2627
Technical Support:
Tel: +7 (812) 658 0463
info@tdk-lambda.ru
www.emea.lambda.tdk.com/ru

Local Distribution

