



Industrial



Test



Comm



Broadcast

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

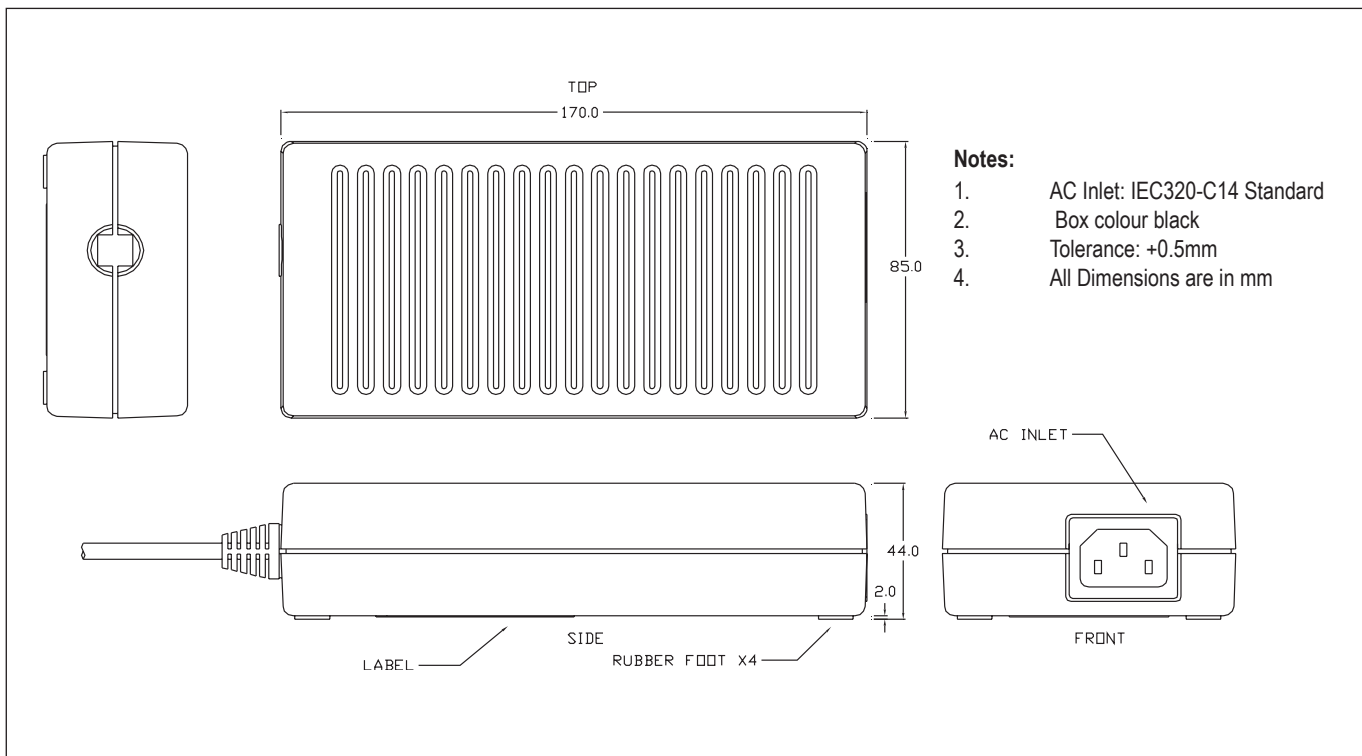
Specification		DT150PWxxx-D
Model		DT150PWxxx-D
Input Voltage range	-	90 - 264VAC (47 - 63Hz)
Inrush Current	A	<60A at 230VAC input, 25°C ambient cold start
Input Current (Maximum)	A	2.5A
Power Factor	-	Typically 0.9 at full load (Meets EN61000-3-2)
Leakage Current	µA	<600µA at 264VAC 60Hz
Hold Up Time (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 to Ground 500VDC*
Isolation Resistance	Ω	>20MΩ at 25°C & 70%RH, Output to Ground 500VDC
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	-	CSA/UL60950-1, EN609501-1, IEC60950-1
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 * Versions available for output to be internally connected to ground. Contact local sales office

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





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