



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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## 100W to 150W AC-DC External Power Supplies

### Features

- ◆ DOE level VI and EU tier 2 Efficiency Levels
- ◆ >89% Average Efficiency
- ◆ <150mW Off-load Power Draw
- ◆ Wide Range AC Input
- ◆ Power Factor Correction



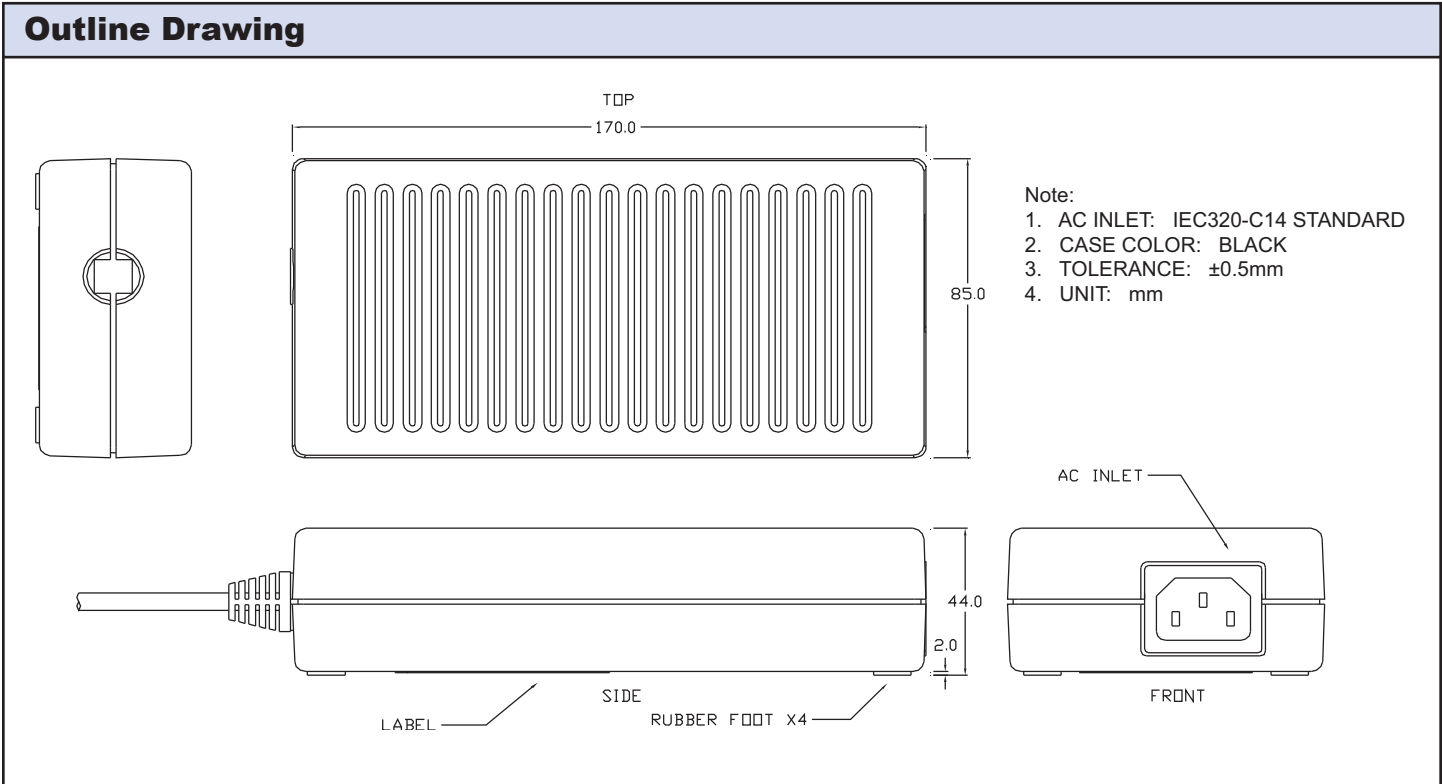
### Key Market Segments & Applications



Specifications			
Model		DT100PWxxx-D	DT150PWxxx-D
Input Voltage range	-	90 - 264VAC (47 - 63Hz)	
Inrush Current	A	< 150A at 230VAC input, 25°C ambient cold start	
Input Current (Maximum)	A	2.5A	
Power Factor	-	Typically 0.9 at full load, 230VAC (Meets EN61000-3-2)	
Leakage Current	uA	<300uA at 264VAC input	
Hold Up Time (Typ)	ms	16ms at 115VAC input	
Temperature Coefficient	%/°C	±0.05%/°C	
Voltage Accuracy	%	±1%	
Adjustment Range	V	None	
Minimum Load	A	None	
Total Regulation	%	See model selector	
Ripple & Noise	%	See model selector	
Short Circuit Protection	-	Continuous - hiccup mode	
Overvoltage Protection	V	110 - 130% of nominal (Cycle input power to reset)	
Efficiency	%	>89% Avg Active Efficiency	
Operating Temperature	°C	-20 to +60°C, de-rate linearly to 50% load from 40 to 60°C	
Storage Temperature	°C	-20 to +70°C	
Humidity (non condensing)	%RH	10 - 90%RH	
Cooling	-	Convection	
Withstand Voltage	VAC	Input to Ground 1.5kVAC, Input to Output 3kVAC, Output to Ground 500VDC*	
Vibration (non operating)	-	23.52m/s <sup>2</sup> (10 - 55Hz: constant sweep 1 min X, Y, Z for 1 hour)	
Shock	-	< 196.1 m/s <sup>2</sup> (20G)	
Safety Agency Approvals	-	UL/CSA60950-1, EN69501-1, IEC60950-1	
Efficiency Level	-	VI	
Offload Power Consumption	W	< 0.15W	
Conducted & Radiated EMI	-	EN55022-B, FCC Class B	
Immunity	-	EN55024	
Weight (Typ)	g	780g	
Size (WxLxH)	mm (in)	85 x 170 x 44 (3.35 x 6.7 x 1.73")	
Cable Length and 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	hrs	140,000 hours, 100% load, 25°C ambient, MIL-HNBK	
Warranty	yrs	Three years	

\* Versions available for output to be internally connected to ground. Contact factory.

<b>Output Ratings</b>					
Model	Output (V)	Maximum Output (A)	Maximum Power (W)	Output Regulation	Ripple & Noise (mV)
DT100PW120D	12	8.34	100	±5%	240
DT100PW160D	16	6.25	100	±5%	320
DT100PW190D	19	5.27	100	±5%	380
DT100PW240D	24	4.17	100	±3%	480
DT100PW360D	36	2.78	100	±3%	480
DT100PW480D	48	2.09	100	±3%	480
DT150PW120D	12	11.67	140	±5%	240
DT150PW160D	16	9.38	150	±5%	320
DT150PW190D	19	7.90	150	±5%	380
DT150PW240D	24	6.25	150	±3%	480
DT150PW360D	36	4.17	150	±3%	480
DT150PW480D	48	3.13	150	±3%	480



<b>Other TDK-Lambda Adapters</b>	
DT62-D	65W Level VI Compliant Adapters
DTM65-C	65W Level V Compliant Medical Adapters
DT80-D	80W Level VI Compliant Adapters
DTM110-C	110W Level V Compliant Medical Adapters
DTM165-C	165W Level V Compliant Medical Adapters

For Additional Information, please visit [us.tdk-lambda.com/lp/products/dt-c-series.htm](http://us.tdk-lambda.com/lp/products/dt-c-series.htm)

