

40W to 80W AC-DC External Power Supplies

Features

- ◆ Meets DoE Level VI & EU Tier 2 Efficiency
- ◆ No load Power consumption <150mW
- ◆ Power Factor Correction (DT80)
- ◆ LED ON indicator (Blue)



Key Market Segments & Applications



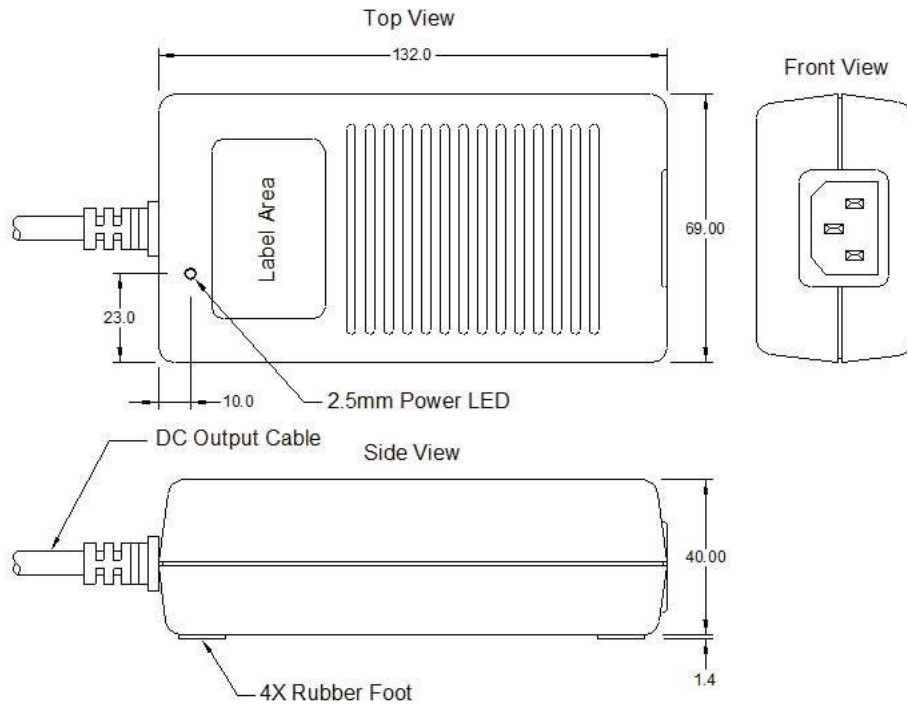
Specifications			
Model		DT62PWxxxD	DT80PWxxxD
Input Voltage range	VAC	90 - 264VAC (47 - 63Hz)	
Inrush Current at 115VAC, cold start 25°C ambient	A	<50A	<75A
Input Current (Maximum)	A	2A (90VAC input)	
Power Factor	-	Meets EN61000-3-2	Typically 0.9 at full load (Meets EN61000-3-2)
Leakage Current (typ, 264VAC 63Hz)	mA	0.7mA	
Hold Up Time (Typ) at 115VAC input, full load	ms	>10ms	>20ms
Temperature Coefficient	°C	±0.05%/°C	
Voltage Accuracy	%	±2%	
Adjustment Range	-	None	
Minimum Load	A	None	
Total Regulation	-	±5%	
Ripple & Noise	%	1% or 240mV (whichever is lower)	240mV
Short Circuit Protection	-	Continuous - hiccup mode	
Oversvoltage Protection	V	110 - 140% of nominal (Cycle input power to reset)	
Efficiency at Average Load	%	>89% (>86.1% 5V, >87.6% 6-10V models)	>89% (>88% 9V model)
Operating Temperature	°C	0 to +70°C, derating linearly to 50% load above 50°C	0 to +60°C, derating linearly to 50% load above 40°C
Storage Temperature	-	-10 to +85°C	
Humidity (non condensing)	-	10 - 90% RH	
Cooling	-	Convection	
Withstand Voltage	-	Input to Ground 1.5kVAC, Input to Output 3kVAC (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 Certifications	-	UL/EN/IEC60950-1, CE Mark	
Department of Energy (DOE) regulation	-	See model selector	
EU CoC V.5	-	See model selector	
Offload Power Consumption	mW	<150mW	
Conducted & Radiated EMI	-	EN55032-B, FCC Class B	
Immunity	-	EN55024	
Weight (Typ)	g	400g	440g
Size (WxLxH)	Inches (mm)	2.72 x 5.2 x 1.57" (69 x 132 x 40mm)	
Cable Length and Thickness	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	
MTBF (MIL-HDBK), 100% load, 25C	Hours	140,000 hours	120,000 hours
Warranty	Years	Three Years	

Output Ratings

Model	Output (V)	Maximum Output (A)	Maximum Power (W)	DOE		EU CoC V.5	
				V	VI	Tier 1	Tier 2
DT62PW050D	5	8	40	Y	Y*	Y*	-
DT62PW080D	8	5	40	Y	Y*	Y*	-
DT62PW120D	12	5.41	65	Y	Y	Y	Y
DT62PW150D	15	4.33	65	Y	Y	Y	Y
DT62PW190D	19	3.43	65	Y	Y	Y	Y
DT62PW240D	24	2.71	65	Y	Y	Y	Y
DT62PW360D	36	1.81	65	Y	Y	Y	Y
DT62PW480D	48	1.36	65	Y	Y	Y	Y
DT80PW090D	9	8	72	Y	Y*	Y*	-
DT80PW120D	12	6.67	80	Y	Y	Y	Y
DT80PW150D	15	5.34	80	Y	Y	Y	Y
DT80PW180D	18	4.45	80	Y	Y	Y	Y
DT80PW240D	24	3.34	80	Y	Y	Y	Y
DT80PW280D	28	2.86	80	Y	Y	Y	Y
DT80PW480D	48	1.67	80	Y	Y	Y	Y

* Product built after July 2016

Outline Drawing



For Additional Information, please visit
<https://product.tdk.com/info/en/products/power/index.html>

