

TDK-Lambda LWT15H-522

## Triple Output Power Supply



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## Low Profile Triple Output

### Features

- ◆ 26mm height
- ◆ Outputs 2 and 3 isolated from output 1
- ◆ Universal Input (85 - 265VAC)
- ◆ Low Profile
- ◆ Wattbox design on LWT



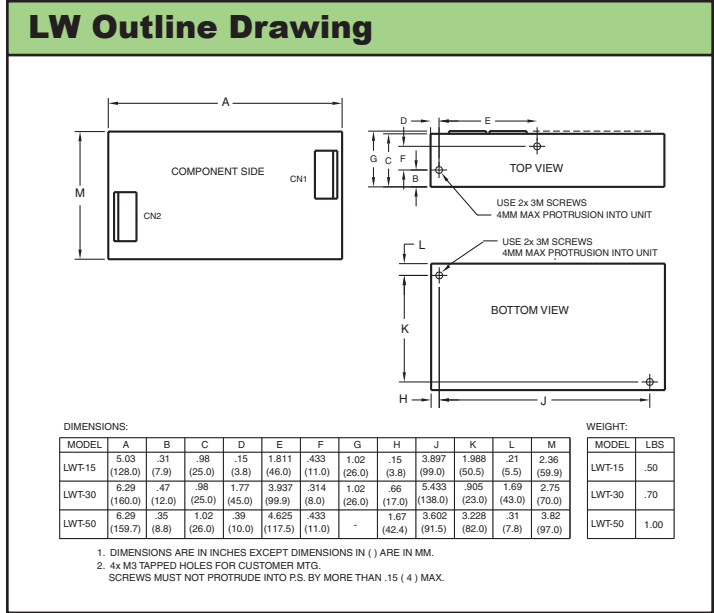
### Key Market Segments & Applications



Specifications		LWT15H	LWT30H	LWT50H
Max Output Power (typ)	W	17	30	50
Efficiency (Typ)	%	72	73	72
AC Input Voltage range	-	85 - 265VAC (47 - 440Hz)		
DC Input Voltage range	-	110 - 350VDC	110 - 330VDC	
Input Current Typ (100/200VAC)	A	0.4/0.22	0.7/0.42	1.2/0.7
Inrush Current (110/200VAC)	A	14/28	16/32	16/32
Output 1 Voltage Adjustment	-	5V: 5 to 5.25V, 12V: 12 to 12.6V, 15V: 15V to 15.75V		
Output Voltage Accuracy	-	Output 2 & 3 ±5%		
Temperature Coefficient	-	Output 1 < 1%, Output 2 or 3, <2% at 0 - 60°C		
Line Regulation	-	1%		
Load Regulation	-	2%		
Ripple & Noise	-	Output 1: 100mV, Outputs 2 & 3: 150mV		
Overcurrent Protection	-	>105%		
Overvoltage Protection	V	Main output only: 5.75 - 6.75V, manual reset		
Hold Up Time (Typ at 100VAC)	ms	20		
Series Operation	-	Possible		
Operating Temperature	-	LWT: 0°C to +60°C, derate as follows: 40°C: 100%, 50°C: 80%, 60°C: 60%		
Storage Temperature	°C	-30 to +85°C		
Operating Humidity	-	30 - 90% RH (Non condensing)		
Storage Humidity	-	10 - 95% RH (Non condensing)		
Cooling	-	Convection		
Withstand Voltage	-	Input to Gnd 2kVAC Input to Output 3kVAC (20mA)		
Isolation Resistance	-	>100M at 25°C & 70%RH, Output to Ground 500VDC		
Vibration (non operating)	-	10-55Hz(1 min) <19.6m/s <sup>2</sup> (1 hr)		
Shock	-	196.1m/s <sup>2</sup>		
Safety Agency Approvals	-	UL60950-1, CSA60950-1, EN60950-1, CE LVD		
Conducted EMI	-	VDE Class B, FCC Class B		
Weight (Typ)	g	220	300	400
Size (WxHxD)	mm	Please refer to outline drawings		
Warranty	-	One Year		

Note: See Installation Manual for full details, test methods of parameters and application notes

Options				
Model	Output	Voltage	Min Current	Max Current
LWT15H-522	V1	5V	0.5	3.0
	V2	+12V	0.0	0.6
	V3	-12V	0.0	0.4
LWT15H-5FF	V1	5V	0.5	3.0
	V2	+15V	0.0	0.6
	V3	-15V	0.0	0.4
LWT15H-525	V1	5V	0.5	3.0
	V2	+12V	0.0	0.6
	V3	-5V	0.0	0.4
LWT30H-522	V1	5V	0.7	5.0
	V2	+12V	0.0	1.2
	V3	-12V	0.0	0.6
LWT30H-5FF	V1	5V	0.7	5.0
	V2	+15V	0.0	1.2
	V3	-15V	0.0	0.6
LWT30H-525	V1	5V	0.7	5.0
	V2	+12V	0.0	1.2
	V3	-5V	0.0	0.6
LWT50H-522	V1	5V	1.0	8.0
	V2	+12V	0.0	1.5
	V3	-12V	0.0	1.0
LWT50H-5FF	V1	5V	1.0	8.0
	V2	+15V	0.0	1.5
	V3	-15V	0.0	1.0
LWT50H-525	V1	5V	1.0	8.0
	V2	+12V	0.0	1.5
	V3	-5V	0.0	1.0



### Other Industrial Products

HWS	15W-1500W Single output
ZWQ	80W-170W Quad output
ZP	20W-60W Single, dual & triple output
LS	25W-150W Single output, low cost
MTW	15W-60W Triple output

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



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