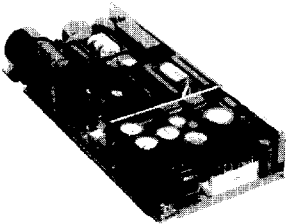


LW Series

Compact dual and triple output power supplies



- Low Profile L-Bracket Construction**
- 85-265VAC Universal Input**
- EMI – FCC Class B & VDE Class B**
- International Safety Agency Approvals**
- One Year Warranty**

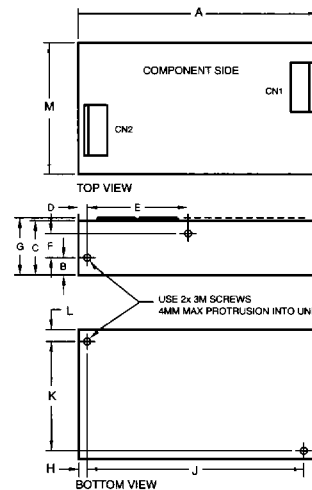
Lambda’s LW multiple output power supplies feature international safety approvals, universal AC input, and integral EMI filtering. The LW’s low profile package, available from 15-50 Watts, makes it ideal for space limited applications. Designed to meet the demands of industrial applications, the LW’s high reliability and performance specifications will be an effective solution for your power supply needs.

Similar products		Page
SWT	PC Board	18
SVT	Higher Power	44
JWS	Single Output	24
KWS	PC Board Mount	10

AC Input	85-265VAC, 47-440Hz.
DC Input	110-330VDC.
Fusing	AC input line fuse protects the input wiring to the power supply. Overload of power supply does not cause fuse failure.
EMI	Conforms to FCC Docket 20780 Class A and VDE 0871 Class A.
Output Voltage Adj Range ..	±5% for CH1 only.
Line Regulation	0.1%.
Load Regulation	0.2%.
Minimum Load	On Channel 1: LWT15H – 0.5A. LWT30H – 0.7A. LWT50H – 1.0A. LWD-50 – 20% on output # 1.
Ripple and Noise	100mV pk-pk on 5V outputs. 150mV pk-pk on 12V and 15V outputs.
Hold-up Time	Output will remain within regulation limits for 20 msec. Typical for all models.
Overshoot	No overshoot at turn-on, turn-off or power failure.
Overvoltage Protection	Standard on main outputs, inverter shut down method, manual reset.
Overload Protection	Automatic electronic current limiting circuit limits short circuit output current to safe, preset value, thereby protecting the load as well as the power supply when direct shorts occur. Sustained short circuit operation for more than 30 seconds may cause damage to the power supply.
Cooling	Convection cooled, no fans or blowers needed.
Operating Temperature Range	0°C-60°C with derating above 40°C.
Temperature Coefficient	Less than 1% on main outputs. Less than 2% on auxiliary outputs.
Humidity	30% to 90% RH (non-condensing).
Isolation Resistance	More than 100M ohms at 25°C. and 70% RH.
Isolation Voltage	Input to chassis – 2kVAC. Input to Output – 3kVAC 1 min. Output to chassis – 500VDC.
Shock	Less than 20G.
Vibration	10 to 55Hz amplitude (sweep 1 min.) less than 2G X, Y, Z 1 hour each.
Input and Output Connections	Connectors. Mating connectors provided with units.
Safety Agency Approval	UL1950, CSA22.2 No:234, IEC950, EN60950 & CE Mark (Low voltage directive).
Warranty	1 year.

POWER(W)	OUTPUT 1	OUTPUT 2	OUTPUT 3	MODEL
Dual Outputs				
14.7	+5V@1.5A	+12V@.6A	–	LWD-15-0512
14.7	+5V@1.5A	+24V@.3A	–	LWD-15-0524
14.4	+12V@.6A	+12V@.6A	–	LWD-15-1212
14.4	+12V@.6A	+24V@.3A	–	LWD-15-1224
15	+15V@.5A	+15V@.5A	–	LWD-15-1515
29.4	+5V@3A	+12V@1.2A	–	LWD-30-0512
29.4	+5V@3A	+24V@.6A	–	LWD-30-0524
28.8	+12V@1.2A	+12V@1.2A	–	LWD-30-1212
28.8	+12V@1.2A	+24V@.6A	–	LWD-30-1224
30	+15V@1A	+15V@1A	–	LWD-30-1515
49	+5V@5A	+12V@2A	–	LWD-50-0512
49	+5V@5A	+24V@1A	–	LWD-50-0524
48	+12V@2A	+12V@2A	–	LWD-50-1212
48	+12V@2A	+24V@1A	–	LWD-50-1224
48	+15V@1.6A	+15V@1.6A	–	LWD-50-1515

Triple Outputs				
15	+5V@3A	+12V@.6A	-12V@.4A	LWT-15H-522
15	+5V@3A	+12V@.6A	-5V@.4A	LWT-15H-525
15	+5V@3A	+15V@.6A	-15V@.4A	LWT-15H-5FF
30	+5V@5A	+12V@1.2A	-12V@.6A	LWT-30H-522
30	+5V@5A	+12V@1.2A	-5V@.6A	LWT-30H-525
30	+5V@5A	+15V@1.2A	-15V@.6A	LWT-30H-5FF
50	+5V@8A	+12V@1.5A	-12V@1A	LWT-50H-522
50	+5V@8A	+12V@1.5A	-5V@1A	LWT-50H-525
50	+5V@8A	+15V@1.5A	-15V@1A	LWT-50H-5FF



MODEL	A	B	C	D	E	F	G	H	J	K	L	M	MODEL	WEIGHT	LBS
LWT-15	5.03 (128.0)	.31 (7.9)	.98 (25.0)	.15 (3.8)	1.811 (46.0)	.433 (11.0)	1.02 (26.0)	.15 (3.8)	3.897 (99.0)	1.988 (50.5)	.21 (5.3)	2.36 (59.9)	LWT-15	50	
LWT-30	6.29 (160.0)	.47 (12.0)	.98 (25.0)	1.77 (45.0)	3.837 (98.0)	.314 (8.0)	1.02 (26.0)	.66 (17.0)	5.435 (138.0)	3.05 (78.0)	.69 (17.5)	2.75 (70.0)	LWT-30	70	
LWT-50	6.29 (160.0)	.35 (8.9)	1.62 (41.0)	.38 (9.7)	4.925 (125.0)	.433 (11.0)	1.02 (26.0)	1.67 (42.4)	3.897 (99.0)	3.228 (82.0)	.31 (7.9)	3.62 (92.0)	LWT-50	100	
LWD-15	4.32 (109.7)	.31 (7.9)	.98 (25.0)	.15 (3.8)	1.812 (46.0)	.437 (11.0)	1.03 (26.1)	.15 (3.8)	3.890 (98.8)	1.988 (50.5)	.21 (5.3)	2.36 (59.9)	LWD-15	50	
LWD-30	5.75 (146.0)	.48 (12.1)	.98 (25.0)	1.37 (34.9)	3.937 (99.9)	.312 (7.9)	1.03 (26.1)	.28 (7.1)	5.437 (138.0)	3.06 (78.0)	1.29 (32.7)	2.36 (59.9)	LWD-30	70	
LWD-50	6.29 (160.0)	.35 (8.9)	.98 (25.0)	.38 (9.7)	4.925 (125.0)	.437 (11.0)	1.03 (26.1)	1.67 (42.4)	5.437 (138.0)	3.234 (82.1)	.31 (7.9)	3.61 (91.7)	LWD-50	100	

1. DIMENSIONS ARE IN INCHES EXCEPT DIMENSIONS IN () ARE IN MM.
2. 4-10 TAPPED HOLES FOR CUSTOMER MFG.
SCREWS MUST NOT PROTRUDE INTO PS. BY MORE THAN .15 (4) MAX.

