ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Find the *TDK-Lambda LZS-1500-3* at our website: ***Click HERE***

Single Output Industrial Power Supplies

Features

- ◆ -40ºC to +71ºC operation
- ◆ MIL-STD-810E Vibration / Shock
- ◆ Input transient protected
- ◆ Wide range output adjustment
- ◆ Single wire current share
- ◆ Conducted EMI Class B
- ◆ 5 Year Warranty
- ◆ Rugged mechanical design
- ◆ Superior thermal design



Key Market Segments & Applications

- ◆ Factory Automation

RoHS

Specifications

		5V Output Models (-1)	12V Output Models (-2)	24V Output Models (-3)
AAC Input Voltage	-	LZS: 85-132 / 170-265VAC Auto select, SE: 105-140VAC (170VAC for 1min.)		
AC Input Frequency	-	LZS: 47 - 440Hz, SE: 47 - 63Hz		
DC Input Voltage Range	-	LZS: 220 - 380VDC		
Inrush Current (110 / 220VAC)	A	250W & 500W: 20 / 40A. 750W, 1000W & 1500W: 40 / 80A		
Efficiency (typical)	%	75%, (72% on 250W models)		
Ripple & Noise	-	10mV RMS, 35mV Pk-Pk	10mV RMS, 50mV Pk-Pk	10mV RMS, 100mV Pk-Pk
Line Regulation	%	0.1% from low AC line to high AC line		
Load Regulation	%	0.1% from no load to full load		
Transient Response	-	Recovers to within 50ms, max deviation 7.5% -1 models, 5% -2 & -3 models		
Overcurrent Protection	-	~ 110% of rated current, auto recovery		
Overvoltage Protection	V	User adjustable from front panel		
Thermal Protection	-	Internal thermostat. Recycle AC to reset		
Hold Up Time (Typical)	ms	26ms (at 115VAC)		
Remote Sense	-	Compenstates for a total of 1.0V cable drop		
Remote Adjust	-	Using front panel potentiometer, Resistance (1k/V), or Voltage (1V/V)		
Remote On / Off	-	TTL compatible, active high		
Signals	-	Optocoupled transistor for AC Fail, DC Good, Inverter OK		
Indicators	-	Green LED indicates output good, red LED indicates overvoltage or over temperature		
Parallel Connection	-	Single wire current share		
Operating Temperature	ºC	-40~+71ºC, derate as shown in model selector, 20 minute warm up period needed for <-30ºC		
Storage Temperature	ºC	-55 to +85ºC		
Temperature Coefficient	-	0.025%/ºC		
Humidity (non condensing)	%RH	5 - 95%RH		
Cooling	-	Internal fan		
Withstand Voltage	-	Input - Ground 1.5kVAC, Input - Output 3kVAC, Output - Ground 500VAC		
Vibration	-	MIL-STD-810E, Method 516.4 Proc. I, II, IV, VI		
Shock	-	MIL-STD-810E, Method 514.4, Category 1, 9		
Safety Agency Approvals	-	UL60950, CSA60950, EN60950, & CE Mark (LVD)		
Conducted & Radiated EMI	-	VDE0871 Curve B, FCC Part 15, subpart J, Class B, MIL-STD-461D, CE102		
Weight (Net / Shipping)	lbs	250: 7/9; 500: 10/12; 750: 11/14; 1000: 15.5/19.5; 1500: 22/26		
Size (WxHxD)	-	See outline drawings		
Warranty	-	5 years		

Notes: (Consult Installation Manual for detailed specifications, test methods and application notes)

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Output Ratings

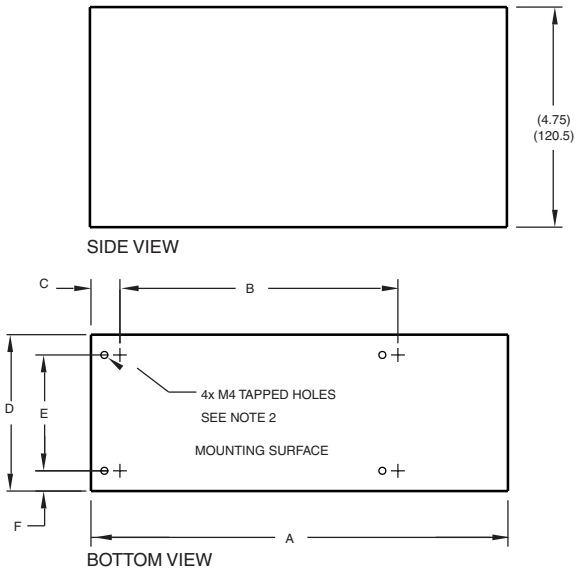
Model	Nominal Voltage (V)	Adjustment Range (V)	Maximum Current (A) 40°C	50°C	60°C	71°C
LZS250-1	5	4.5 - 6.3	50	45	40	30
LZS500-1	5	4.5 - 6.3	100	90	80	60
LZS750-1	5	4.5 - 6.3	150	135	120	90
LZS1000-1	5	4.5 - 6.3	200	190	160	120
LZS1500-1	5	4.5 - 6.3	300	270	240	180
LZS250-2	12	10 - 15.75	21	18.9	16.8	12.6
LZS500-2	12	10 - 15.75	42	37.5	33.5	27
LZS750-2	12	10 - 15.75	63	56.5	50	37.5
LZS1000-2	12	10 - 15.75	83	80	67	50
LZS1500-2	12	10 - 15.75	125	112.5	100	75
LZS250-3	24	18 - 29.4	12.5	11.3	10	7.5
SE250-3	24	18 - 29.4	12.5	11.3	10	7.5
LZS500-3	24	18 - 29.4	25	22.5	20	16.5
SE500-3	24	18 - 29.4	25	22.5	20	16.5
LZS750-3	24	18 - 29.4	37.5	33.5	30	22.5
SE750-3	24	18 - 29.4	37.5	33.5	30	22.5
LZS1000-3	24	18 - 29.4	50	48	40	30
SE1000-3	24	18 - 29.4	50	48	40	30
LZS1500-3	24	18 - 29.4	75	67.5	60	45
SE1500-3	24	18 - 29.4	75	67.5	60	45

Other Industrial Products

LZSa	500W to 1500W RoHS compliant
HWS	15W to 1500W Single output
JFS	500W to 2000W Single output
DPP, DLP, DHP	15 to 960W DIN Rail single output

For Additional Information, please visit
us.tdk-lambda.com/lp/products/lzs-series.htm

JFS0750/1000 Outline Drawing



DIMENSIONS:

MODEL	A	B	C	D	E	F
LZS,SE250	9.00 (228.6)	6.000 (152.4)	.62 (15.8)	3.37 (85.7)	2.500 (63.5)	.43 (11.0)
LZS,SE500	10.25 (260.3)	6.500 (165.1)	.62 (15.8)	4.25 (107.9)	3.000 (76.2)	.62 (15.8)
LZS,SE750	10.37 (263.5)	7.000 (177.8)	.62 (15.8)	5.00 (127.0)	3.500 (88.9)	.62 (15.8)
LZS,SE1000	10.50 (266.7)	8.500 (215.9)	.75 (19.0)	5.62 (142.8)	3.500 (88.9)	1.06 (26.9)
LZS,SE1500	11.00 (279.4)	8.000 (203.2)	.75 (19.0)	8.00 (203.2)	3.500 (88.9)	2.12 (54.0)

WEIGHT:

MODEL	NET LBS	SHIP LBS
LZS,SE250	7.0	9.0
LZS,SE500	10.0	12.0
LZS,SE750	11.0	14.0
LZS,SE1000	15.5	19.5
LZS,SE1500	22.0	26.0

NOTE:
1. DIMENSIONS ARE IN INCHES EXCEPT DIMENSIONS ( ) ARE IN MM.
2. 4 x M4 TAPPED HOLES FOR CUSTOMER MTG. SCREWS MUST NOT PROTRUDE INTO POWER SUPPLY BY MORE THAN .25 (6.3).
3. CUSTOMER MUST PROVIDE CLEARANCE AROUND VENT HOLES TO ALLOW FOR AIR FLOW.

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