

Linear	Desktop
Enclosed or L Bracket	Open Frame
PCB Mount	Rack Mount Hot Swap

AC-DC Selector

Applications	# of Outputs	Output Power (W)														
		5	10	15	30	50	100	300	500	1000	1500	2500				
High Reliability Industrial (Five Year Warranty)	Single				NNS											
					HWS											
								JWS								
											LZSA					
	Dual				NND											
Triple							JWT									
Industrial (Three Year Warranty)	Single & Multiple	HK-A (Single Output, 115VAC input)														
											NV					
					MTW											
											Vega					
														Alpha		
						LS										
Datacom Commercial (One - Two Year Warranty)	Single			KW, KPS, KM												
				ZWS, ZWSAF, ZWSPAF												
							DT									
							H									
							SC, SC120, ZP									
										SWS						
													PFE			
													FPS (1U)			
	Multiple															
							LWD, LWT									
							H									
							DT									
							SC, ZP									
										ZWD, ZWQ						
Programmable	Single											ZUP				
DIN Rail Mount	Single				DSP, DPP, DLP-PU*											
								DLP								

* See website



Single Output Industrial Power Supplies

- ◆ 5 Year Warranty
- ◆ Power factor Corrected
- ◆ Approved to VDE0160 Machinery Directive
- ◆ Universal Input (85 - 265VAC)

RoHS

Key Market Segments & Applications

Factory Automation	Process Control, NC-Machining, Automotive, Packaging Equipment, Materials Handling, Chemical Processing, Robots
Test & Measurement	Burn-in & Test, Automated Test, Instrumentation, Measurement, Detection

JWS Features and Benefits

Feature

- ◆ VDE0160 Approved
- ◆ 5 Year Warranty
- ◆ Power Factor Corrected
- ◆ Level B EMI

Benefit

- ◆ No additional Approvals Needed
- ◆ Lower Cost of Ownership
- ◆ Supports Global Use
- ◆ Assists System Compliance

Specifications

MODEL		JWS50	JWS75	JWS100	JWS150	JWS300	JWS600
ITEMS							
Input Voltage range	-	85 - 265VAC (47 - 63Hz) or 120 - 330VDC					
Inrush Current (100 / 200VAC)	A	14 / 28			25 / 50	20 / 40	
Power Factor	-	Meets EN61000-3-2					
Temperature Coefficient	-	<0.02%/°C					
Overcurrent Protection	-	>105%					
Overvoltage Protection	V	Yes					
Hold Up Time (Typ)	ms	20					
Leakage Current (max)	mA	0.75					
Remote Sense	-	No			Yes		
Remote On / Off	-	Specify as Option /R					Standard
AC Power Fail	-	Not Available					Standard
Parallel Connection	-	Not Available					Standard
Operating Temp. (open frame)	-	-10°C~+60°C, derate linearly to 60% load from 50°C~60°C					
Operating Temp. (with cover)	-	-10°C~+50°C, derate linearly to 60% load from 40°C~50°C (JWS50-150)					
		-10°C~+65°C, derate linearly to 55% load from 50°C~65°C (JWS300-600)					
Storage Temperature	-	-30 to +85°C					
Operating Humidity (*1)	-	30 - 90% RH				10 - 90% RH	
Storage Humidity (*1)	-	10 - 95% RH					
Cooling	-	JWS50 - JWS150 Convection, JWS300 & JWS600 Internal fan					
Withstand Voltage	-	Input to Ground 2kVAC (20mA), Input to Output 3kVAC (20mA),					
	-	Output to Ground 500VAC (100mA) for 1 min.					
Isolation Resistance	-	>100M at 25°C & 70%RH, Output to Ground 500VDC					
Vibration (non operating)	-	10 - 55Hz (1 minute sweep), 19.6m/s² constant X, Y, Z 1 hour					
Shock	-	< 196.1 m/s²					
Safety Agency Approvals	-	UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, VDE0160, CE Mark, Built to meet DENTORI					
Conducted & Radiated EMI	-	EN55011 / EN55022-B, FCC Class B, VCCI-B					
Recommended EMI Filter	-	MAW1202-22			MAW1203-22	MB1210	MB1216
Weight (Typ)	g	350	450	650	850	1900	3000
Size (WxHxD)	mm	See side 2					
Warranty	-	Five Years					

*1 non condensing

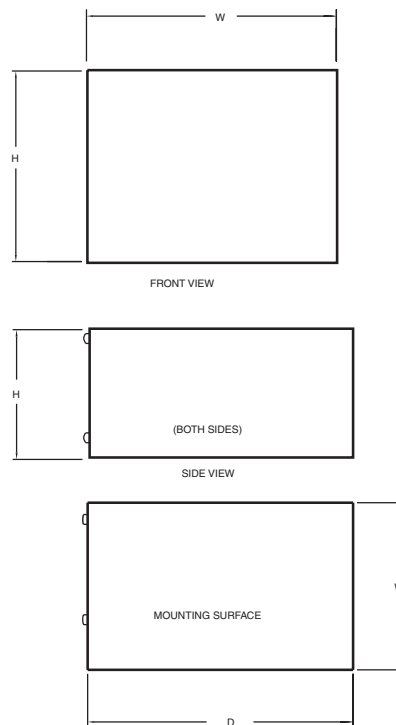
Output Ratings

Model	Voltage	Adjust Range	Max Curr.	Load Reg mV	Line Reg mV	Ripple Noise	Eff. (typ)%
JWS300-2	2.0V	1.8 - 2.4	60	20	20	120	60
JWS600-2	2.0V	1.8 - 2.4	120	30	20	120	61
JWS50-3/A	3.3V	2.85 - 3.63	10	40	20	120	65
JWS75-3/A	3.3V	2.85 - 3.63	15	40	20	120	67
JWS100-3/A	3.3V	2.85 - 3.63	20	40	20	120	67
JWS150-3/A	3.3V	2.85 - 3.63	30	40	20	120	67
JWS300-3	3.3V	2.97 - 3.96	60	20	20	120	68
JWS600-3	3.3V	2.97 - 3.96	120	30	20	120	70
JWS50-5/A	5.0V	4.5 - 5.5	10	40	20	120	74
JWS75-5/A	5.0V	4.5 - 5.5	15	40	20	120	74
JWS100-5/A	5.0V	4.5 - 5.5	20	40	20	120	75
JWS150-5/A	5.0V	4.5 - 5.5	30	40	20	120	75
JWS300-5	5.0V	4.5 - 6.0	60	20	20	120	74
JWS600-5	5.0V	4.5 - 6.0	120	30	20	120	75
JWS100-6/A	6.0V	5.4 - 6.6	16.7	48	24	120	75
JWS300-6	6.0V	5.4 - 7.2	50	36	24	150	74
JWS600-6	6.0V	5.4 - 7.2	100	36	24	120	75
JWS600-8	8.0V	7.2 - 9.6	68	48	32	150	77
JWS50-9/A	9.0V	8.1 - 9.9	5.6	76	36	150	74
JWS100-9/A	9.0V	8.1 - 9.9	11.2	72	36	150	75
JWS300-9	9.0V	8.1 - 10.8	34	54	36	150	76
JWS600-9	9.0V	8.1 - 10.8	68	54	36	150	77
JWS50-12/A	12.0V	10.8 - 13.2	4.3	96	48	150	76
JWS75-12/A	12.0V	10.8 - 13.2	6.3	96	48	150	76
JWS100-12A	12.0V	10.8 - 13.2	8.5	96	48	150	76
JWS150-12/A	12.0V	10.8 - 13.2	13	96	48	150	77
JWS300-12	12.0V	10.8 - 14.4	27	48	48	150	76
JWS600-12	12.0V	10.8 - 14.4	53	72	48	150	80
JWS50-15/A	15.0V	13.5 - 16.5	3.5	120	60	150	77
JWS75-15/A	15.0V	13.5 - 16.5	5	120	60	150	77
JWS100-15/A	15.0V	13.5 - 16.5	7	120	60	150	77
JWS150-15/A	15.0V	13.5 - 16.5	10	120	60	150	78
JWS300-15	15.0V	13.5 - 18.0	22	60	60	150	77
JWS600-15	15.0V	13.5 - 18.0	43	90	60	150	81
JWS50-24/A	24.0V	21.6 - 26.4	2.2	150	96	150	79
JWS75-24/A	24.0V	21.6 - 26.4	3.2	150	96	150	79
JWS100-24/A	24.0V	21.6 - 26.4	4.5	150	96	150	79
JWS150-24/A	24.0V	21.6 - 26.4	6.5	150	96	150	80
JWS300-24	24.0V	21.6 - 28.8	14	144	96	150	80
JWS600-24	24.0V	21.6 - 28.8	27	144	96	150	82
JWS50-28/A	28.0V	25.2 - 30.8	2	160	112	150	79
JWS100-28/A	28.0V	25.2 - 30.8	3.6	160	112	150	79
JWS150-28/A	28.0V	25.2 - 30.8	5.5	160	112	150	80
JWS300-28	28.0V	25.2 - 33.6	12	168	112	150	80
JWS600-28	28.0V	25.2 - 33.6	23	168	112	150	82
JWS50-48/A	48.0V	43.2 - 52.8	1.1	240	192	200	79
JWS75-48/A	48.0V	43.2 - 52.8	1.6	240	192	200	79
JWS100-48/A	48.0V	43.2 - 52.8	2.1	240	192	200	79
JWS150-48/A	48.0V	43.2 - 52.8	3.3	240	192	200	80
JWS300-48	48.0V	43.2 - 52.8	6.5	288	192	350	80
JWS600-48	48.0V	43.2 - 52.8	13	288	192	350	83

Other Lambda Industrial Products

HWS	15W to 1800W Single output
LZSA	500 to 1500W Single output
DLP/DSP/DPP	10 to 480W DIN Rail Mount

JWS Outline Drawing



See website for detailed drawing.

Dimensions Table

	Height (H)	Width (W)	Depth (D)
JWS50	1.45"	3.35"	6.25"
JWS75	1.65"	3.62"	6.88"
JWS100	1.97"	3.62"	7.40"
JWS150	2.56"	3.62"	7.80"
JWS300	3.62"	4.72"	7.48"
JWS600	3.62"	6.29"	7.90"

Options

Suffix	Description
Blank	Screw terminals, no cover (JWS50 - JWS150)
/A*	Screw terminals, cover (JWS50 - JWS150)
/B	Molex terminals, no cover (JWS50 & JWS75)
/C	Molex terminals, cover (JWS50 & JWS75)
/R	Remote On / Off (JWS50 - JWS150)
Example	JWS50-5/RA
Note:	* Standard US stock item.