

Nemko EESI, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 Phone (858) 793-9911 Fax (858) 259-7170		
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JWS Series

High quality industrial power supplies



Universal AC Input

Radiated and Conducted EMI

Input Transient Protection

Power Factor and Harmonic Correction

Wide Range Output Adjustment

World wide Safety Agency Approvals

Optional Din Rail Mounting

5 Year Warranty

Lambda's new JWS series meets the demands of today's world wide industrial market with universal input, international agency approvals, and CE Marking. Reducing the risk of system failures the JWS has been engineered to meet input transients and brown-outs in compliance to EN61000-4 (2,-3,-4,-5,-6) as well as meeting EMI Curve B (for both radiated and conducted).

Available in six package sizes from 50-600 watts with output voltages ranging from 2 to 48 volts. Backed by Lambda's five year warranty the JWS series will prove to be the industrial choice for insured reliability and high quality, guaranteeing end-users maximum up-time.

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		OUTPUT	POWER (W)	MAX CURRENT AMPS AT			MODEL
				40°	45°	55°	
AC Input	85-265Vac, 47-63Hz.						
DC Input	120-330VDC.	2V (1.8-2.4)	120.0	60.0	60.0	60.0	JWS300-2
Efficiency	61% on 2V, 65% on 3.3V, 74% on 5.0V, 77% on 12.0 -15.0V, 80% on 24.0 -48.0V		240.0	120.0	120.0	120.0	JWS600-2
Power Factor Correction	0.99 (Typical), EN61000-3-2.	3.3V (2.65-3.63)	33.0	10.0	10.0	8.0	JWS50-3/A
Input Transient Protection ..	EN61000-4 (2,-3,-4,-5,-6), IEC1000-4 (2,-3,-4,-5,-6), IEC801- (2,-3,-4,-5).		49.5	15.0	12.0	9.0	JWS75-3/A
EMI	Conducted and Radiated per: EN55022-B Curve B & FCC Class B.		66.0	20.0	16.0	12.0	JWS100-3/A
Output Voltage Adj Range ..	±10% (+20% -10% for 300W/600W).		99.0	30.0	24.0	18.0	JWS150-3/A
Line Regulation	0.5%.		156.0	60.0	60.0	60.0	JWS300-3
Load Regulation	0.8%.		396.0	120.0	120.0	120.0	JWS600-3
Output Ripple	120 mV p-p for 2, 3.3 & 5 volts. 150 mV p-p for 12, 15 & 24 volts. 200 mV p-p for 48 volts.	5V (4.50-5.5)	50.0	10.0	10.0	6.0	JWS50-5/A
Parallel Operation	Active current sharing is achieved through a single wire connection. (300W/600W only).		75.0	15.0	12.0	9.0	JWS75-5/A
Hold-up Time	20ms (typical).		100.0	20.0	16.0	12.0	JWS100-5/A
Overcurrent Protection	Electronic current limiting circuit limits the output current to 105% of the maximum rated current with automatic recovery.		150.0	30.0	24.0	18.0	JWS150-5/A
Overvoltage Protection	Non-crowbar, inverter shutdown type OV protection.	12V (10.8-13.2)	300.0	60.0	60.0	60.0	JWS300-5
Cooling	Convection, Internal Fan (300W/600W)		600.0	120.0	120.0	120.0	JWS600-5
Operating Temperature Range	-10°C to +50°C with derating above +40°C. -10°C to +60°C with derating above +50°C (300W/600W).		51.6	4.3	4.3	3.4	JWS50-12/A
Storage Temperature	-30°C to +85°C.		75.6	6.3	5.0	3.8	JWS75-12/A
Temperature Coefficient	Less than 0.02%.		102.0	8.5	6.6	5.1	JWS100-12/A
Isolation	Input to Output - 3.0kVAC. Input to Chassis (FG) - 2.0kVAC. Output to Chassis (FG) - 500VAC.		156.0	13.0	10.4	7.8	JWS150-12/A
Output Status Indicator	A green LED when DC output is "ON".		324.0	27.0	27.0	27.0	JWS300-12
Remote On/Off	An open circuit or a voltage of 2 - 5V applied to the terminals will initiate turn-off. Optional for (50-150W).	15V (13.5-16.5)	645.0	53.0	53.0	53.0	JWS600-12
Remote Sensing	(100W-600W).		52.5	3.5	3.5	2.8	JWS50-15/A
Input and Output Connections	Barrier strip with clear plastic cover.		75.0	5.0	4.0	3.0	JWS75-15/A
DIN Rail Mounting Bracket ..	LDIN50 (JWS50 only).		105.0	7.0	5.6	4.2	JWS100-15/A
Safety Agency Approval	UL1950, CSA950, EN60950, VDE0160, and CE mark (Low voltage Directive).		150.0	10.0	8.0	6.0	JWS150-15/A
Warranty	5 years.		330.0	22.0	22.0	22.0	JWS300-15
		24V (21.6-26.4)	645.0	43.0	43.0	43.0	JWS600-15
			52.8	2.2	2.2	1.7	JWS50-24/A
			76.8	3.2	2.5	1.9	JWS75-24/A
			108.0	4.5	3.6	2.7	JWS100-24/A
			156.0	8.5	5.2	3.9	JWS150-24/A
		48V (43.2-52.8)	52.8	1.1	1.1	0.88	JWS50-48/A
			76.8	1.6	1.3	0.96	JWS75-48/A
			100.8	2.1	1.7	1.26	JWS100-48/A
			156.4	3.3	2.6	1.98	JWS150-48/A

Options for JWS50 - JWS150 only.

JWS 50 - 5 / -

- Blank: Standard open frame & terminal block.
- A: With cover & terminal block - Standard
- B: Open frame & Molex connectors - Special order. Consult factory.
- C: With cover & Molex connectors - Special order. Consult factory.
- R: With remote ON/OFF control. Special order. Consult factory.
- Normal output voltage
- Maximum output power
- Series name

*Connector type is JWS50 & JWS75 only.

