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TECHNOLOGY GROUP

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Find the *TDK-Lambda JWS600-48* at our website: ***Click HERE***

LAMBDA

JWS508 Series

Single Output Industrial Power Supplies



- 5 Year Warranty
- Power factor Corrected
- Approved to UL508
- Universal Input (85 - 265VAC)
- 200% Peak power capable (JWS-P models)

RoHS

Key Market Segments & Applications

Factory Automation	Process Control, NC-Machining, Automotive, Packaging Equipment, Chemical Processing, Robots

JWS Features and Benefits

Feature	Benefit
◆ UL508 approved	◆ No additional Derating Needed
◆ 5 Year Warranty	◆ Lower Cost of Ownership
◆ Level B EMI	◆ Assists System Compliance
◆ Peak power capable (JWS-P)	◆ Smaller units can handle high start up currents

Specifications

ITEMS \ MODEL		JWS50	JWS75	JWS70P JWS100	JWS120P JWS150	JWS240P JWS300	JWS480P JWS600
Input Voltage range	-	85 - 265VAC (47 - 63Hz) or 120 - 330VDC (no DC input on JWS-P)					
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	-	Not Available				Standard	
AC Power Fail	-	Not Available				Standard	
Parallel Connection	-	Not Available				Avail. JWS300 & 600 only	
Operating Temperature	-	See derating table					
Storage Temperature	°C	-30 to +85°C					
Operating Humidity (*1)	-	30 - 90% RH (10 - 90% RH on JWS300 & 600 only)					
Storage Humidity (*1)	-	10 - 95% RH					
Cooling	-	JWS50 - JWS150 Convection, JWS240 - 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 25C & 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	-	UL508					
Conducted & Radiated	EMI	EN55011 / EN55022-B, FCC Class B, VCCI-B					
Weight (Typ)	g	400	500	700	900	1900	3000
Recommended EMI Filter	-	MAW1202-22			MAW1202-22 MAW1203-22	MAW1205-22 MB1210	MB1210 MB1216
Size (WxHxD)	mm	See sheet 2					
Cover	-	Standard					
Warranty	-	Five Years					

*1 non condensing

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LAMBDA JWS508 Series

Model Selector

Model	Voltage	Adjustment Range	Max Current	Avg. Current	Peak Current	Load Reg mV	Line Reg mV	Ripple Noise mV	Efficiency (typ) %
JWS50-24/508	24V	21.6 - 26.4	2.2	-	-	150	96	150	79
JWS70P-24/508	24V	21.6 - 26.4	-	3	6	192	96	240	80
JWS75-24/508	24V	21.6 - 26.4	3.2	-	-	150	96	150	79
JWS100-24/508	24V	21.6 - 26.4	4.5	-	-	150	96	150	79
JWS120P-24/508	24V	21.6 - 26.4	-	5	10	192	96	240	80
JWS150-24/508	24V	21.6 - 26.4	6.5	-	-	150	96	150	80
JWS240P-24/508	24V	21.6 - 28.8	-	10	20	192	96	240	80
JWS300-24/508	24V	21.6 - 28.8	14	-	-	144	96	150	80
JWS480P-24/508	24V	21.6 - 28.8	-	20	40	192	96	240	80
JWS600-24/508	24V	21.6 - 28.8	27	-	-	144	96	150	82

Note 1: Peak current for up to 10 seconds with a 50% duty cycle

Model Derating*

Model	40°C	45°C	50°C	55°C	60°C	65°C
JWS50-24/508	100%	100%	80%	60%	-	-
JWS70P-24/508	100%	100%	100%	80%	60%	-
JWS75-24/508	100%	80%	60%	-	-	-
JWS100-24/508	100%	100%	100%	60%	-	-
JWS120P-24/508	100%	100%	100%	80%	60%	-
JWS150-24/508	100%	100%	100%	60%	-	-
JWS240P-24/508	100%	100%	100%	85%	70%	55%
JWS300-24/508	100%	100%	100%	85%	70%	55%
JWS480P-24/508	100%	100%	100%	85%	70%	55%
JWS600-24/508	100%	100%	100%	85%	70%	55%

* % of full power rating at specified temperature

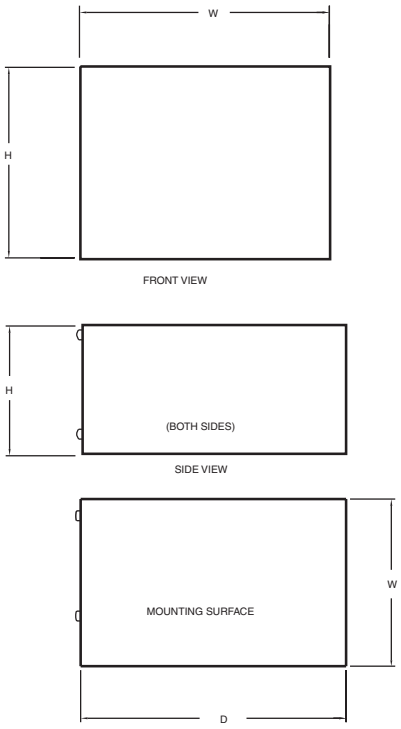
Dimensions Table

	Height (H)	Width (W)	Depth (D)
JWS50	1.45″	3.35″	6.25″
JWS75	1.65″	3.62″	6.88″
JWS70P, JWS100	1.97″	3.62″	7.40″
JWS120P, JWS150	2.56″	3.62″	7.80″
JWS240P, JWS300	3.62″	4.72″	7.48″
JWS480P, JWS600	3.62″	6.29″	7.90″

Other Lambda Industrial Products

HWS	15 to 1500W Single output
JWS, JWS-P & JWT	50 to 600W Single and triple output
LZSa	500 to 1500W Single output
JFS	500 to 2000W Single output
DLP/DSP/DPP	10 to 480W DIN Rail Mount

JWS Outline Drawing



See website for detailed drawing.

For Additional Information, please visit
www.lambdapower.com/products/jws-series.htm

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