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**Contact us:** (888) 88-SOURCE | [sales@artisanng.com](mailto:sales@artisanng.com) | [www.artisanng.com](http://www.artisanng.com)

# JWS-P Series

## Single Output Peak Power Industrial Power Supplies



- ◆ 5 Year Warranty
- ◆ Power factor Corrected
- ◆ Approved to VDE0160 Machinery Directive
- ◆ Universal Input (85 - 265VAC)
- ◆ 200% Peak Power Capability for 10 seconds

**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	Benefit
◆ VDE0160 Approved	◆ No additional Approvals Needed
◆ 5 Year Warranty	◆ Lower Cost of Ownership
◆ Power Factor Corrected	◆ Supports Global Use
◆ 200% Peak Power	◆ Able to support motor start up currents

### Specifications

ITEMS	MODEL	JWS70P	JWS120P	JWS240P	JWS480P
Input Voltage range	-	85 - 265VAC (47 - 63Hz) or 120 - 330VDC			
Inrush Current (100/200VAC)	A	14 / 28	25 / 50	20 / 40	
Input Current (Typ)	A	1.0 / 0.5	1.6 / 0.8	3.2 / 1.6	6.4 / 3.2
Power Factor		Meets EN61000-3-2			
Temperature Coefficient		<0.02%/°C			
Overcurrent Protection	-	>102%			
Overvoltage Protection	V	Yes			
Hold Up Time (Typ)	ms	20			
Leakage Current (max)	mA	0.75			
Remote Sense	-	Yes			
Remote On / Off	-	No		Yes	
AC Power Fail	-	No		Yes	
Operating Temperature	-	-10°C~+60°C, derate linearly to 60% load from 50°C~60°C		-10°C~+65°C, derate linearly to 55% load from 50°C~65°C	
Storage Temperature	-	-30 to +85°C			
Operating Humidity (*1)	-	30 - 90% RH			
Storage Humidity (*1)	-	10 - 95% RH			
Cooling	-	Convection		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/s <sup>2</sup> constant X, Y, Z 1 hour			
Shock	-	< 196.1 m/s <sup>2</sup>			
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			
Weight (Typ)	g	700	900	1900	3000
Recommended EMI Filter	-	MAW1202-22		MAW1205-22	MB1210
Size (WxHxD)	mm				
Warranty	-	Five Years			

\*1 non condensing

### Model Selector

Model	Voltage	Adjust Range	Average Current (A)	Peak Current (A) *1	Load Reg (mV)	Line Reg (mV)	Ripple Noise (mV)	Efficiency (typ) %
JWS70P-24	24V	21.6 - 26.4	3	6	192	96	240	80
JWS120P-24	24V	21.6 - 26.4	5	10	192	96	240	80
JWS240P-24	24V	21.6 - 28.8	10	20	192	96	240	80
JWS480P-24	24V	21.6 - 28.8	20	40	192	96	240	80
JWS240P-36	36V	32.4 - 43.2	6.65	13.3	288	144	360	80
JWS70P-48	48V	43.2 - 52.8	1.5	3	384	192	480	80
JWS120P-48	48V	43.2 - 52.8	2.5	5	384	192	480	80
JWS240P-48	48V	43.2 - 52.8	5	10	384	192	480	80
JWS480P-48	48V	43.2 - 52.8	10	20	384	192	480	80

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

### Dimensions Table

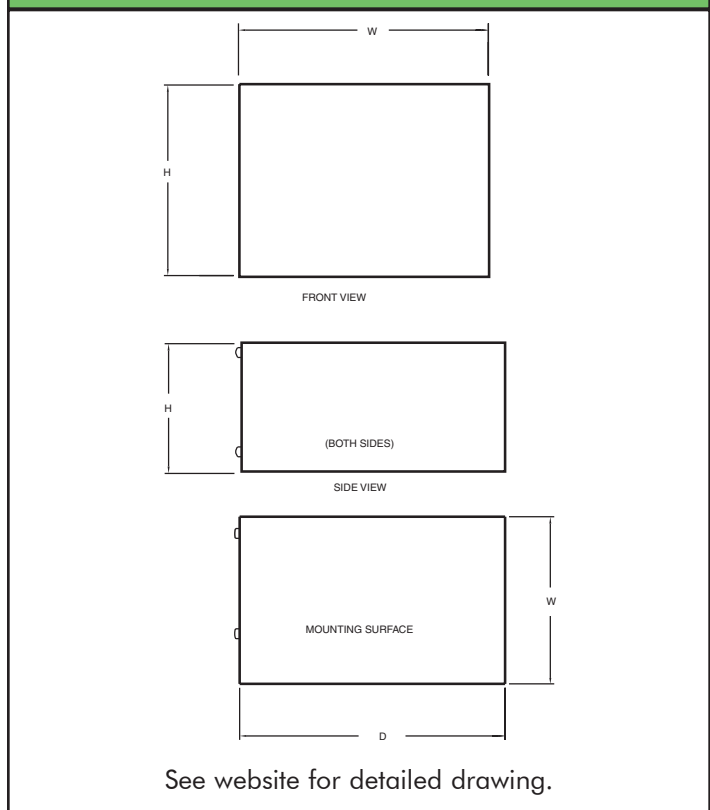
	Height (H)	Width (W)	Depth (D)
JWS70P	1.97"	3.62"	7.40"
JWS120P	2.56"	3.62"	7.80"
JWS240P	3.62"	4.72"	7.48"
JWS480P	3.62"	6.29"	7.90"

### Other Lambda Industrial Products

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

For Additional Information, please visit  
[us.tdk-lambda.com/lp/products/jws-series.htm](http://us.tdk-lambda.com/lp/products/jws-series.htm)

### JWS Outline Drawing





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