



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

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-P Features and Benefits

Features

- VDE0160 Approved
- 5 Year Warranty
- Power Factor Corrected
- 200% Peak Power

Benefits

- No additional Approvals Needed
- Lower Cost of Ownership
- Supports Global Use
- 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 ² constant X, Y, Z 1 hour			
Shock	-	< 196.1 m/s ²			
Safety Agency Approvals	-	UL/CSA60950-1, 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
Size (WxHxD)	mm	See Dimension Table			
Warranty	-	5 Years			

Notes: 1 non condensing

Model Selector

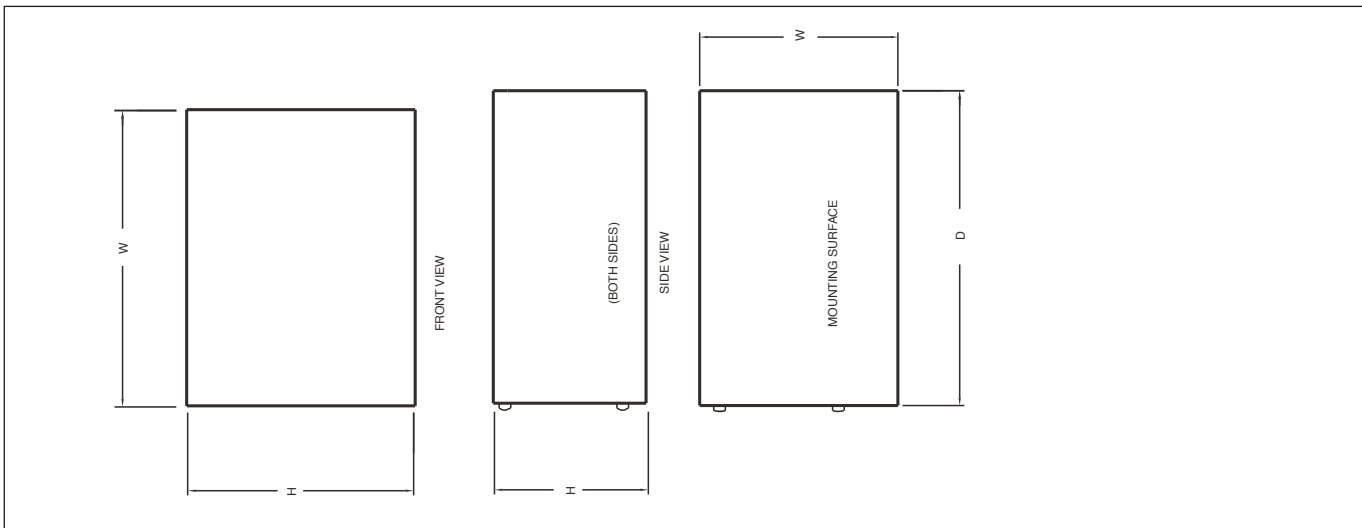
Model	Voltage	Adjust Range	Average Current (A)	Peak Current (A) *1	Load Reg (mV)	Line Reg (mV)	Ripple Noise (mV)	Efficiency (typ) %
JWS70P-24	24V	21.6 - 26.4	3	6	192	96	240	80
JWS120P-24	24V	21.6 - 26.4	5	10	192	96	240	80
JWS240P-24	24V	21.6 - 28.8	10	20	192	96	240	80
JWS480P-24	24V	21.6 - 28.8	20	40	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

Dimension Table (mm)

	Height (H)	Width (W)	Depth (D)
JWS70P	50	92	188
JWS120P	65	92	198
JWS240P	92	120	190
JWS480P	92	160	201

Outline Drawing JWS-P Series



**For full data and drawings please visit
www.emea.tdk-lambda.com/www/jws**

TDK-LAMBDA EMEA

www.emea-tdk-lambda.com



TDK-Lambda France SAS

Route de Grivery
ZAC des Delaches
CS 41077
91978 Courtaboeuf Cedex
France
Tel: +33 1 60 12 71 65
Fax: +33 1 60 12 71 66
france@fr.tdk-lambda.com
www.fr.tdk-lambda.com



Italy Sales Office
Via dei Lavoratori 128/130
20092 Cinisello Balsamo (MI)
Italy
Tel: +39 02 61 29 38 63
Fax: +39 02 61 29 09 00
info.italia@it.tdk-lambda.com
www.it.tdk-lambda.com



TDK-Lambda Germany GmbH

Karl-Bold-Strasse 40
77855 Achern
Germany
Tel: +49 7841 666 0
Fax: +49 7841 5000
info.germany@de.tdk-lambda.com
www.de.tdk-lambda.com



Austria Sales Office
Aredstrasse 22
2544 Leobersdorf
Austria
Tel: +43 2256 655 84
Fax: +43 2256 645 12
info.germany@de.tdk-lambda.com
www.de.tdk-lambda.com



TDK-Lambda UK Ltd.

Kingsley Avenue
Ilfracombe
Devon EX34 8ES
United Kingdom
Tel: +44 (0) 12 71 85 66 66
Fax: +44 (0) 12 71 86 48 94
powersolutions@uk.tdk-lambda.com
www.uk.tdk-lambda.com



Nemic Lambda Ltd.

Kibbutz
Givat Hashlosha 48800
Israel
Tel: +9 723 902 4333
Fax: +9 723 902 4777
info@nemic.co.il
www.nemic.co.il



Russia

Technical Support:
St Petersburg
Tel: +7 (812) 6580463
Sales:
Moscow
Tel: +7 (499) 7557732
info@tdk-lambda.ru
www.tdk-lambda.ru

LOCAL DISTRIBUTION

