

## JWS Series

Single Output  
Industrial Power Supplies

- 5 Year Warranty
- Power Factor Corrected
- Approved to VDE01 60 Machinery Directive
- Universal Input (85 265VAC)

### 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

#### Features

- VDE01 60 Approved
- 5 Year Warranty
- Power Factor Corrected
- Level B EMI

#### Benefits

- No Additional Approvals Needed
- Lower Cost of Ownership
- Supports Global Use
- Assists Systems Compliance

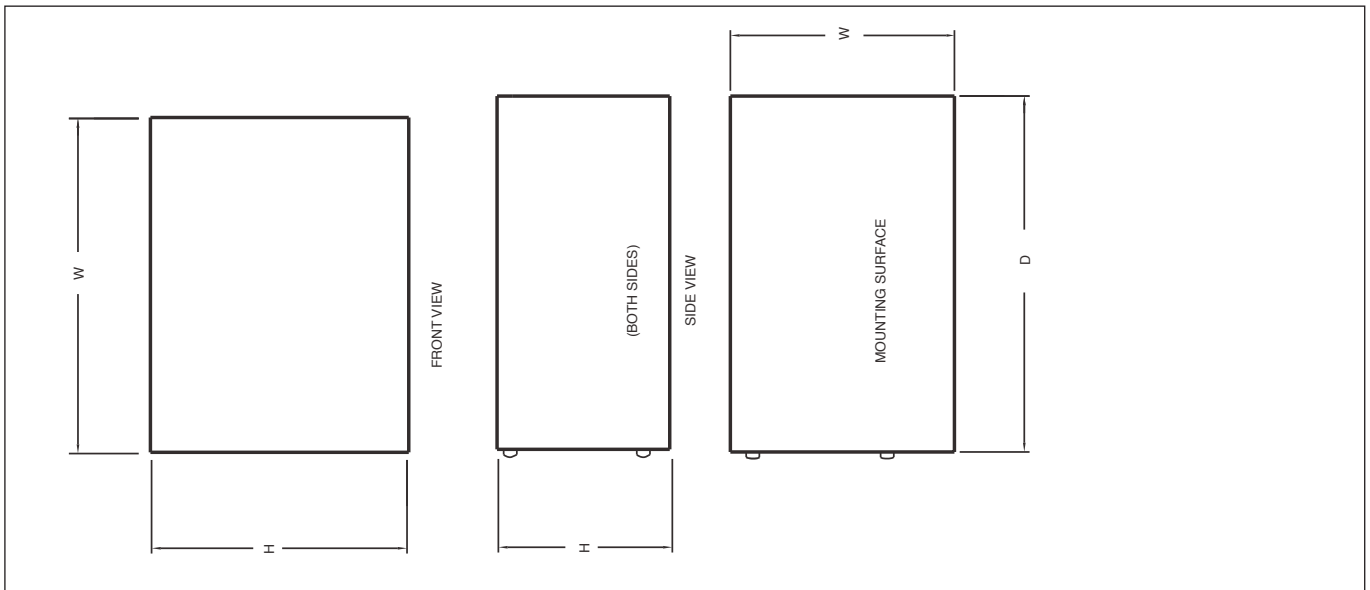
### Specifications

ITEMS	MODEL	JWS50	JWS75	JWS100	JWS150	JWS300	JWS600	
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%/oC						
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				N/A		
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	-	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/s <sup>2</sup> constant X, Y, Z 1 hour						
Shock	-	< 196.1 m/s <sup>2</sup>						
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						
Recommended EMI Filter	-	MAW1202-22			MAW1203-22	MB1210	MB1216	
Weight (Typ)	g	350	450	650	850	1900	3000	
Size (WxHxD)	mm	See page 3						
Warranty	-	5 Years						

Notes: 1 non condensing

Model Selector							
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	30	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	30	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	30	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
JWS100-12/A	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	72	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	90	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

## Outline Drawing JWS Series



Dimension Table (mm)			
	Height (H)	Width (W)	Depth (D)
JWS50	37	85	159
JWS75	42	92	175
JWS100	50	92	188
JWS150	65	92	198
JWS300	92	120	190
JWS600	92	160	200

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)
<b>Example</b>	<b>JWS50-5/RA</b>
Note:	* Standard stock item

For full data and drawings please visit  
[www.emea.tdk-lambda.com/www/jws](http://www.emea.tdk-lambda.com/www/jws)

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