

AC INPUT, SINGLE OUTPUT POWER SUPPLY 300-600W

FEATURES

NEW



- Universal Input
- Power Factor Correction
- Worldwide Safety Agency Approvals
- 5 year Guarantee
- Competitively priced

PRELIMINARY DATA ELECTRICAL SPECIFICATION

Part No.	Output		
	Volts	Amps	Watts
JWS300-2	2V	60A	120W
JWS300-3	3.3V	60A	198W
JWS300-5	5V	60A	300W
JWS300-12	12V	27A	324W
JWS300-15	15V	22A	330W
JWS300-24	24V	14A	336W
JWS300-48	48V	6.5A	312W

Part No.	Output		
	Volts	Amps	Watts
JWS600-2	2V	120A	240W
JWS600-3	3.3V	120A	396W
JWS600-5	5V	120A	600W
JWS600-12	12V	53A	636W
JWS600-15	15V	43A	645W
JWS600-24	24V	27A	648W
JWS600-48	48V	13A	624W

New Models.
For full data call Technical Sales or
visit our Website

www.coutant-lambda.com

OUTLINE SPECIFICATION

Input

Input voltage range:	85-265VAC (47-63Hz), 120-330VDC
Power factor:	0.99 (typical) at 100VAC full load, 0.95 (typical) at 200VAC full load

Output

Call for more data.

Environmental

Operating temperature:	-10°-+60°C / output power derating -10°-+50°C:100%, +60:60%
Cooling Method:	Fan cooled
Withstand voltage:	Input-output: 3kVAC, Input-FG: 2kVAC, Output-FG: 500VAC for 1 minute

General

Functions:	Over current protection, over voltage protection, thermal protection, remote sensing, remote on/off control, output current balance at parallel operation
Dimensions:	JWS300: 120(W) x 92(H) x 190 (D) JWS600: 190(W) x 92(H) x 200 (D)

Safety Approvals

UL1950, CSA950, EN60950, VDE0160, EN55011-B,
EN55022-B, FCC-class B, VCCI-class B, EN61000-3-2,
EN61000-4-2, -3, -4, -5, -6

Warranty

5 years guarantee

The JWS300 and JWS600 models are the latest extensions to the JWS series.

This range is probably the lowest cost 5 year warranty product on the market today - a “fit and forget” solution at a commercial price.

50-150W SINGLE OUTPUT

FEATURES



- 5 year warranty
- Highly cost competitive
- OVP & OCP fitted as standard
- Meets EN60950, UL1950, CSA950, EN61010-1
- PFC fitted as standard

ELECTRICAL SPECIFICATION

Model No.	Max Power	Output current rating		Volts
		-10 to +50°C	+60°C	
JWS 50-3.3	33W	10A	6A	3.3
JWS 75-3.3	49.5W	15A	9A	
JWS 100-3.3	66W	20A	12A	
JWS 150-3.3	99W	30A	18A	
JWS 50-5	50W	10A	6A	5.0
JWS 75-5	75W	15A	9A	
JWS 100-5	100W	20A	12A	
JWS 150-5	150W	30A	18A	
JWS 50-12	51.6W	4.3A	2.5A	12
JWS 75-12	75.6W	6.3A	3.78A	
JWS 100-12	102W	8.5A	5.1A	
JWS 150-12	156W	13A	7.8A	
JWS 50-15	52.5W	3.5A	2.1A	15
JWS 75-15	75W	5A	3A	
JWS 100-15	105W	7A	4.2A	
JWS 150-15	150W	10A	6A	
JWS 50-24	52.8W	2.2A	1.32A	24
JWS 75-24	76.8	3.2	1.92	
JWS 100-24	108W	4.5A	2.7A	
JWS 150-24	156W	6.5A	3.9A	
JWS 50-48	52.8W	1.1A	0.66A	48
JWS 75-48	76.8W	1.6A	0.96A	
JWS 100-48	100.8W	2.1A	1.26A	
JWS 150-48	158.4W	3.3A	1.98A	

JWS50-5/

A = Cover & Barrier Connector
B = Open-frame with Molex Connector
C = Cover and Molex connector

No suffix = Open-frame with Barrier connector

R = Remote Control

Output (Volts)

Output Power (watts)

(B+C versions not available on 100W, 150W models)

OUTLINE SPECIFICATION

Input

Input voltage range:	85-265VAC or 120-330VDC
Input frequency:	(AC) 47-63Hz
Inrush current:	14A at 100VAC, 28A at 200VAC - JWS 50, 75, 100 25A at 50A - JWS 150
Power Factor:	(at 100/200VAC) 0.99/0.95

Output

Rating:	50W to 150W
Output voltage range	
Adjustment:	3.3V = 2.85-3.63V 5V = 4.5-5.5V 12V = 10.8-13.2V 15V = 13.5-16.5V 24V = 21.6-26.4V 48V = 43.2-52.8V
Ripple & Noise:	(0 to +60°C) 120mV on 3.3 & 5V outputs. 150mV on 12, 15 & 24 V outputs. 200mV on 48V output
Line Regulation:	20mV on 3.3 & 5V outputs 48mV on 12V outputs 60mV on 15V outputs 96mV on 24V outputs 192mV on 48V outputs
Load Regulation:	40mV on 3.3 & 5V outputs 96mV on 12V outputs 120mV on 15V outputs 150m V on 24V outputs 240mV on 48V outputs

Temperature co-efficient:	Less than 0.02%/°C
Over current Protection:	Constant current limit with automatic recovery

Output

Over voltage protection:	Circuit will shut down output. Manual reset
Hold-up:	20ms
Efficiency:	65-80% Typical output voltage dependant
Leakage current	0.75mA max, 0.2mA(typ) at 100VAC, 0.44mA (typ) at 230VAC
Remote Sensing	Possible on JWS100 & JWS150
Series Operation	Possible on all models

Environmental

Operating Temperature	-10 - +50°C =100% +60°C =60%
Operating Humidity	30-95% RH (Non Condensing)
Storage Temperature	-30 to +85°C
Storage Humidity	10-95% RH (Non Condensing)
Cooling	Convection cooled
Shock	(In package) Less Than 20G
Vibration	At no operating, 10-55Hz (sweep for 1 min). 2 G constant

Safety Approvals

UL1950, CSA950, EN60950, VDE0160, CE marked for LVD.

EMC

Meets EN55011, EN55022-B, FCC CLASS B, VCCI-B For conducted and radiated emission

Warranty

5 years including parts and labour

CONNECTION DETAILS

Connector (JST) for Remote ON/OFF control

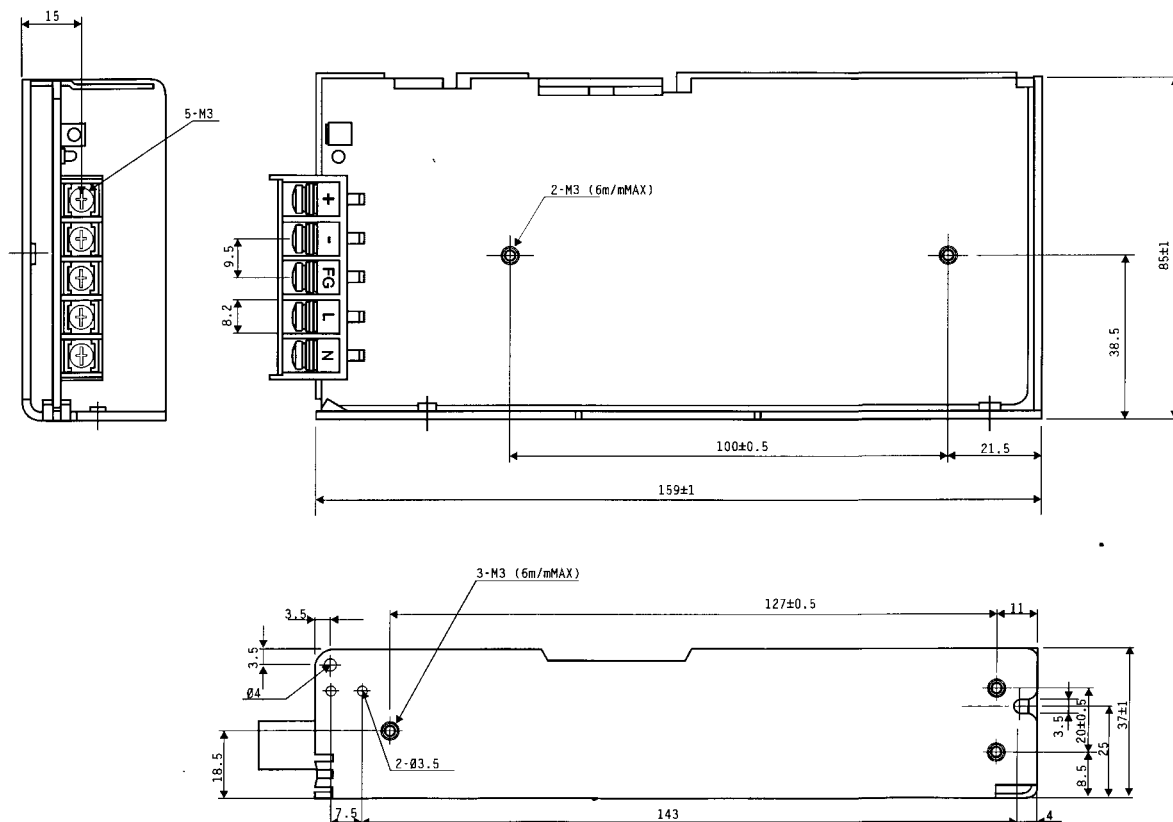
Connector	Housing	Terminal Pin
B2B-XH-A	XHP-2	BXH-001T-P0.6 or SXH-001T-P0.6

Input & Output connector (MOLEX)

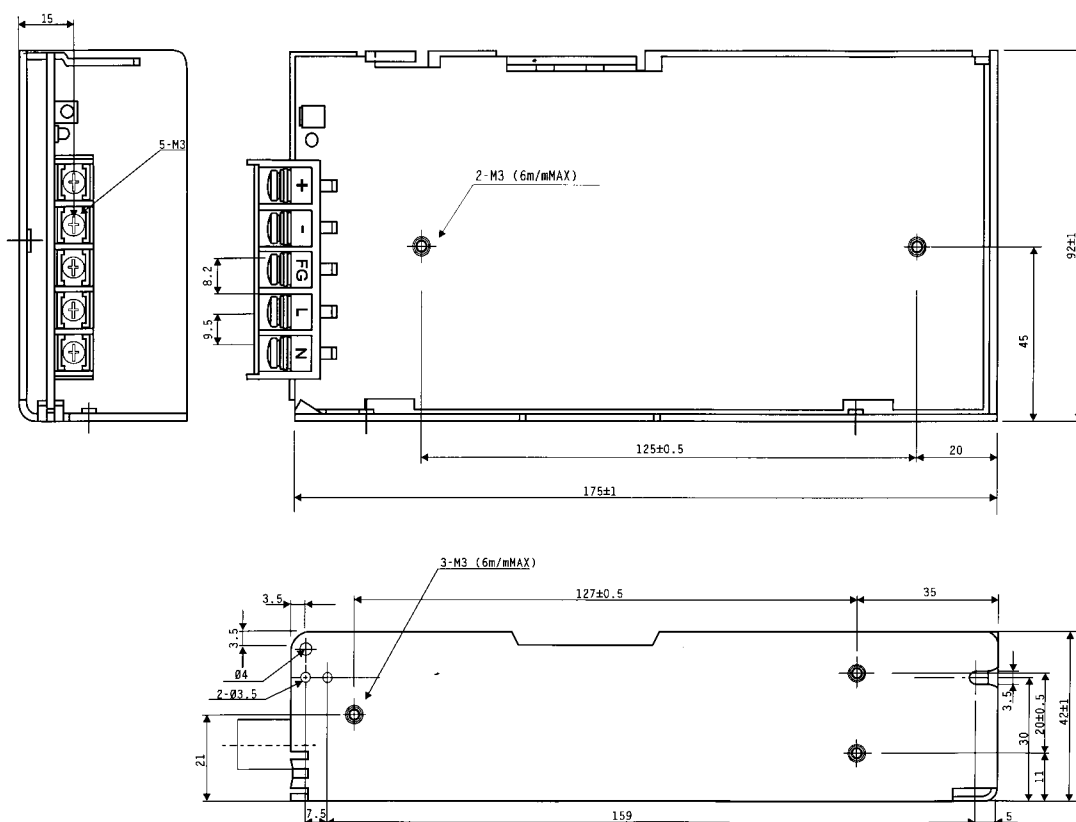
	Connector	Housing	Terminal Pin	Connector	Housing	Terminal Pin
Input	5289-4A	5199-04	5194	5289-4A	5199-04	5194
Output	5277-4A	5196-04	5194	5277-6A	5196-06	5194

PHYSICAL SPECIFICATION

JWS50

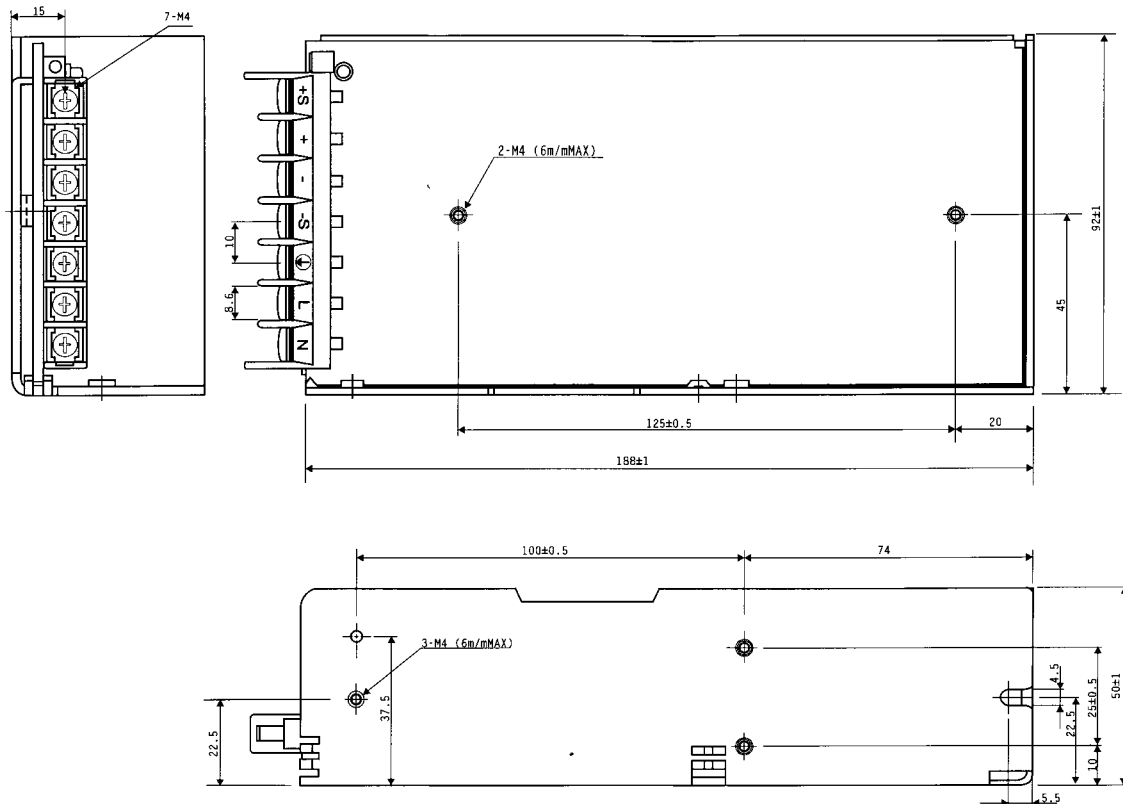


JWS75



PHYSICAL SPECIFICATION continued

JWS100



JWS150

