



- Low Cost
- Active Power Factor Correction
- Input Transient Protected IEC61000-4
- Enclosed

**Key Market Segments & Applications**

- Factory Automation Process Control, NC-Machining, Automotive, Packaging Equipment, Materials Handling, Chemical Processing, Robots
- Test & Measurement Burn-in & Test, Automated, Detection Test, Instrumentation, Measurement
- Automated Service Vending Machines, Elevators, Video Gaming, Point of Sale Equipment

**SWS300&600 Series  
Single Output General Purpose  
Power Supplies**

**SWS Features and Benefits**

**Features**

- Meets IEC61000-4
- Global Safety Approvals
- Power Factor Corrected
- Level B EMI

**Benefits**

- Greater Reliability
- Supports Global Use
- Supports Global Use
- Assists System Compliance

**Specifications**

ITEMS		MODEL	SWS300	SWS600
Input Voltage range	(1)	-	85 - 265VAC (47 - 63Hz) or 120 - 370VDC	
Inrush Current (115 / 230VAC)		A	20 / 40	
Power Factor		-	Meets EN61000-3-2	
Input Current (100/200VAC)		A	3.6 / 1.8A	7.2 / 3.6A
Temperature Coefficient		-	<0.02%/°C	
Overcurrent Protection		--	>105%, Constant current style	
Overvoltage Protection		V	3.3V: 4.1-5.3V, 5V: 6.25-7.25V, 12V: 13.8-16.8V, 15V: 18.7-22.5V, 24V: 30-34.8V, 36V: 41.4-50.4V, 48V: 60-69.9V	
Overtemperature Protection		-	Yes, cycle AC to reset	
Hold Up Time (Typ)		ms	20ms at 115/230VAC	
Leakage Current (max)		mA	0.75mA	1.5mA
Remote Sense		-	None	Yes
Parallel Connection		-	None	Yes
Remote On/Off		-	None	Yes
AC Fail Signal		-	None	Yes, open collector output
LED Indicator		-	Green LED = On	
Operating Temperature		-	-10 to +65°C (See table for derating - model specific)	
Storage Temperature		°C	-30 to +85°C	
Operating Humidity		-	30 - 90% RH (non condensing)	
Storage Humidity		-	10 - 95% RH (non condensing)	
Cooling		-	Internal fan	
Withstand Voltage		-	I/P to Grnd 2kVAC, I/P to O/P 3kVAC, O/P to Grnd 500VAC, O/P to CNT 100VAC for 1 min	
Isolation Resistance		-	>100M at 25C & 70%RH, Output to Ground 500VDC	
Vibration (non operating)		-	10 - 55Hz (sweep for 1 min) 19.6m/s <sup>2</sup> constant X, Y, Z 1 hour each plane)	
Immunity		-	EN61000-4-2, -3, -4, -5, -6, -8, -11	
Safety Agency Approvals		-	UL60950, CSA60950, EN60950, EN50178, CE Mark	
Conducted & Radiated EMI		-	EN55011 / EN55022-B, FCC Class B	
Weight (Typ)		g	950	2000
Size (WxHxD)		mm	52 x 102 x 198	92 x 120 x 190
Warranty		yrs	Two Years	

Notes: (1) Derate linearly to 85% load from 115VAC to 85VAC input (derate to 90% load for SWS600-5)

Models							
Model	Voltage	Adjust Range	Max Curr.	Load Reg mV	Line Reg mV	Ripple Noise	Eff.(3) (typ)%
SWS300-3	3V	2.97-3.96V	55	40	20	120	67/70
SWS300-5	5V	4.5-6V	55	40	20	120	76/79
SWS300-12	12V	9.6-13.2	26	96	48	120	77/80
SWS300-15	15V	13.2-18V	21	120	48	120	79/83
SWS300-24	24V	20-28.8	13	120	48	150	82/85
SWS300-36	36V	28.8-40V	8.7A	180	72	200	82/85
SWS300-48	48V	40-57.6	6.7	240	96	240	83/86
SWS600-3	3.3V	2.97-3.96V	100 (2)	40	20	120	69/71
SWS600-5	5V	4.5-6V	100 (2)	40	20	100	74/77
SWS600-12	12V	9.6-13.2	50	96	48	120	78/81
SWS600-15	15V	13.2-18V	40	120	48	120	80/83
SWS600-24	24V	20-28.8	25	120	48	150	81/84
SWS600-36	36V	28.8-40V	16.7	180	72	200	81/85
SWS600-48	48V	40-57.6	12.5	240	96	240	82/85

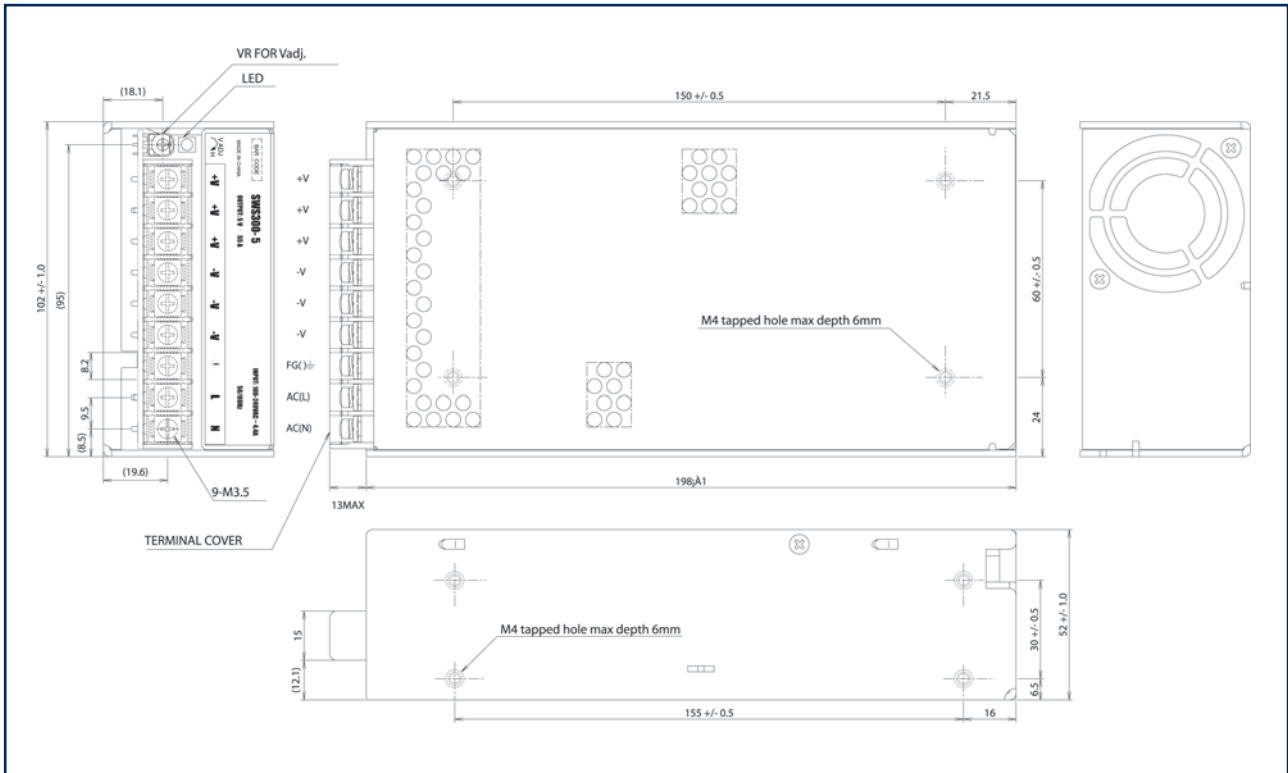
Notes:

- (2) SWS600-5 has peak rating of 120A for 10s
- (3) 115/230VAC

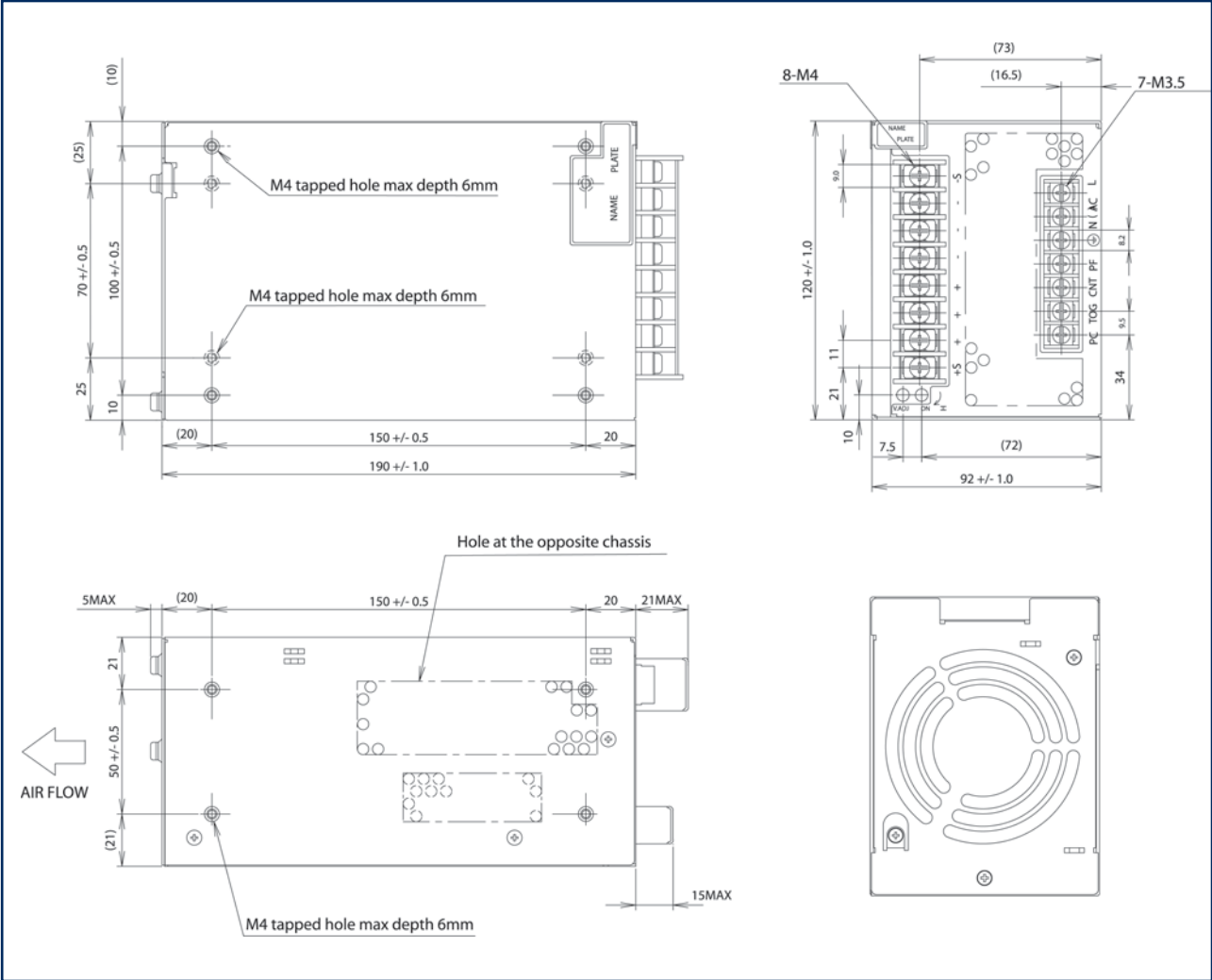
Derating				
Model	50°C	55°C	60°C	65°C
SWS300	100%	91.6%	83.3%	50%
SWS600	100%	85%	70%	55%

Additional derating required when operating SWS600 with side ventilation holes blocked - see installation manual.

## SWS 300 Outline Drawing



**SWS 600 Outline Drawing**



## LAMBDA EUROPE

<b>AUSTRIA</b> LAMBDA ELECTRONICS GmbH Aredstraße 22 A-2544 Leobersdorf	Telephone: +43 (0) 2256 655 84 Facsimile: +43 (0) 2256 645 12 www.lambda-austria.com
<b>FRANCE</b> LAMBDA SAS ZAC des Delaches, BP1077 - Gometz le Chatel 91940 Les Ulis	Telephone: +33 (0) 1 60 12 71 65 Facsimile: +33 (0) 1 60 12 71 66 Web: www.lambda-f.com
<b>GERMANY</b> LAMBDA GmbH Karl-Bold-Straße 40 D-77855 Achern	Telephone: +49 (0) 78 41 666 0 Facsimile: +49 (0) 78 41 5000 Web: www.lambda-germany.com
<b>ISRAEL</b> NEMIC LAMBDA LTD Kibbutz Givat Hashlosha 48800	Telephone: +972 (0) 3 902 4333 Facsimile: +972 (0) 3 902 4777 Web: www.nemic.co.il
<b>ITALY</b> LAMBDA s.r.l. Via dei Lavoratori 128/130, 20092, Cinisello Balsamo (Mi)	Telephone: +39 (0) 02 61 29 38 63 Facsimile: +39 (0) 02 61 29 09 00 Web: www.lambda-italy.com
<b>SWEDEN</b> LAMBDA SCANDINAVIA PO Box 546, Rallarvägen 41 SE-184 25. Akersberga	Telephone: +46 (0) 8 598 94 090 Facsimile: +46 (0) 8 540 66 096 Web: www.lambda-scandinavia.com
<b>UK</b> LAMBDA UK Kingsley Avenue Ilfracombe Devon EX34 8ES	Telephone: +44 (0) 1271 856666 Facsimile: +44 (0) 1271 864894 Web: www.lambda-gb.com

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