

100-600

WATTS

POWER SUPPLY AC/DC

SINGLE OUTPUT

Universal Input

Power factor correction :
EN 61000 - 3 - 2 compliant

EMI : conforms to EN55022 curve B
(conducted and radiated)

Immunity: EN61000 - 4 - 2, 3, 4, 5, 6

Wide range of output adjustment

Current sharing on
300 and 600W models

Guarantee 3 years

INPUT

Input voltage range	85-132/170-265VAC auto select (EWS 100P and 150P) 85-265VAC wide range (EWS 300P and 600P)
Frequency	47-63Hz
Inrush current	28A on EWS 100P and 150P 30A on EWS 300P 40A on EWS 600P
Input protection	fuse
DC Input	230-330VDC on EWS 100P and 150P

OUTPUT

Power (convection cooled)	100W and 150W (EWS 100P and 150P)
(ventilated)	300 and 600W (EWS 300P and 600P)
Adjustment range	± 10% on EWS 100P and 150P -10% +20% on EWS 300P and 600P 2V and 3.3V ± 20% on EWS 300P and 600P 5V-12V-15V-24V-28V and 48V
Line regulation (on specific range)	0.4%
Load regulation (variation of charge of 0 to 100%)	0.8% on EWS 100P and 150P 0.6% on EWS 300P and 600P
Hold up	20ms
Ripple and Noise	EWS 100P and 150P 3.3V 120mV 5V 150mV 12V - 15V 200mV 24V-28V-48V 250mV EWS 300P and 600P 2V - 3.3V - 5V 100mV 12V-15V-24V-28V: 200mV 48V 400mV

* Total mechanical compatibility with the EWS

OUTLINE SPECIFICATIONS

OUTPUT (continued)

Temperature coefficient	<1%
Over current protection	current limit
Over voltage protection	standard
Remote control	standard

GENERAL

Efficiency (type)	61 to 84% model dependent
MTBF	Check with Technical Sales
Isolation voltage :	
Input-Output	3 KVAC (1mn)
Input-ground	2 KVAC (1mn)
Output-ground	500VAC (1mn) via external logic signal
Remote control	for signal logic exterior (EWS 300P and 600P)
Power fail	open collector (EWS 300P and 600P)
Parallel operation	possible on EWS 300P and 600P with current share

ENVIRONMENTAL

Operating temperature range	-10°C to +60°C.
Current derating (typ)	60% to -10°C (EWS 100P, 150P) 70% to -10°C (EWS 300P, 600P) 100% to 40°C (EWS 100P, 150P) 100% to 50°C (EWS 300P, 600P) 85% to 50°C (EWS 100P, 150P) 40% to 60°C (EWS 100P, 150P) 70% to 60°C (EWS 300P, 600P)
Storage temperature	-30°C to +85°C
Operating humidity (non-condensing)	30% to 90% RH
Storage humidity (non-condensing)	10% to 95% RH
Shock	20G
Vibration	2G
EMI	Conforms to EN 55022 - B and FCC - B (conducted and radiated)

TABLE OF MODELS

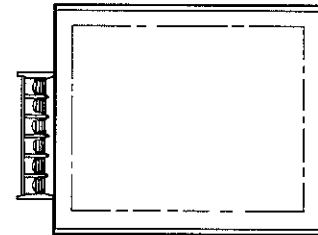
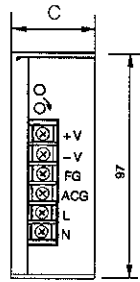
Model	Case	Max. power Watts	Output Volts	Amp.	Model	Case	Max. power Watts	Output Volts	Amp.
EWS 300P 2	300	120	2	60	EWS 100P 18	100	121	18	6.7
EWS 600P 2	600	240		120	EWS 150P 18	150	180		10
EWS 100P 5	150	120	5	24	EWS 300P 18	300	324		18
EWS 150P 5	150	180		36	EWS 600P 18	600	630		35
EWS 300P 5	300	300		60	EWS 100P 24	100	120	24	5
EWS 600P 5	600	600		120	EWS 150P 24	150	180		7.5
EWS 100P 6	100	120	6	20	EWS 300P 24	300	336		14
EWS 150P 6	150	180		30	EWS 600P 24	600	648		27
EWS 300P 6	300	300		50	EWS 100P 28	100	120	28	4.30
EWS 600P 6	600	600		100	EWS 150P 28	150	182		6.5
EWS 100P 9	100	121	9	13.4	EWS 300P 28	300	336		12
EWS 150P 9	150	180		20	EWS 600P 28	600	644		23
EWS 300P 9	300	306		34	EWS 100P 48	100	120	48	2.5
EWS 600P 9	600	612		68	EWS 150P 48	150	182		3.8
EWS 100P 12	100	120	12	10	EWS 300P 48	300	336		7
EWS 150P 12	150	180		15	EWS 600P 48	600	624		13
EWS 300P 12	300	324		27					
EWS 600P 12	600	636		53					
EWS 100P 15	100	120	15	8					
EWS 150P 15	150	180		12					
EWS 300P 15	300	330		22					
EWS 600P 15	600	645		43					

Series EWS-P

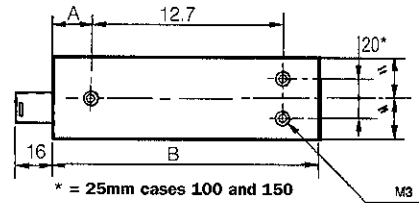
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EDITION 2001

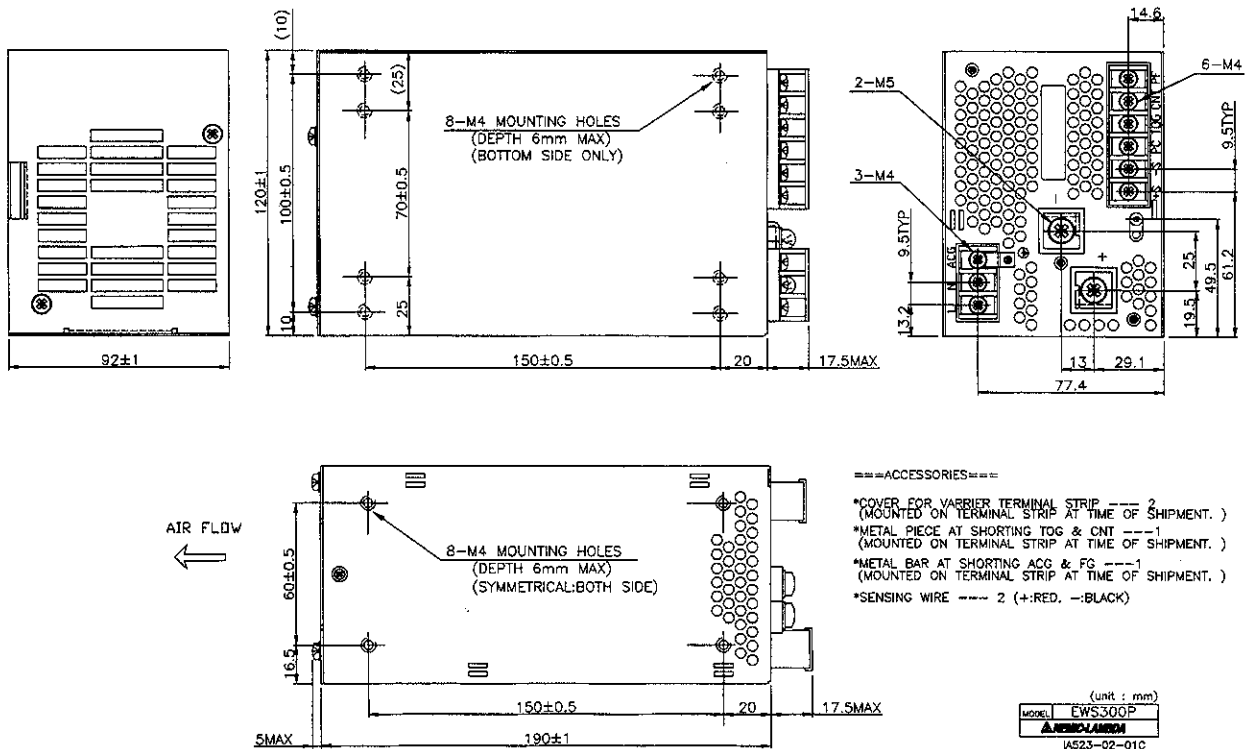
CASES 100-150
Weight 1.15Kg (100)
Weight 1.4Kg (150)



Model	Dimensions			Weight kg
	A	B	C	
EWS 100	26	200	54	1.1
EWS 150	26	200	65	1.3



CASE 300
Weight 2.2Kg



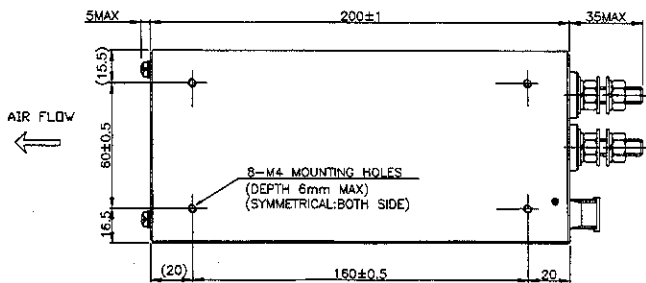
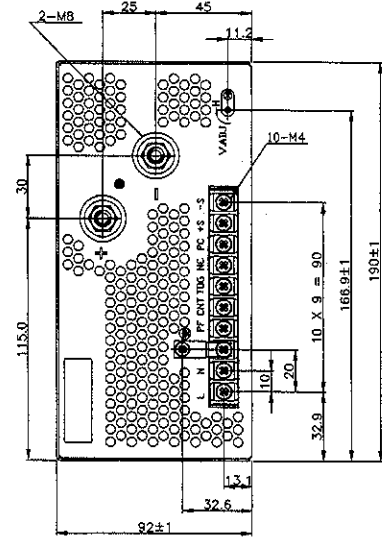
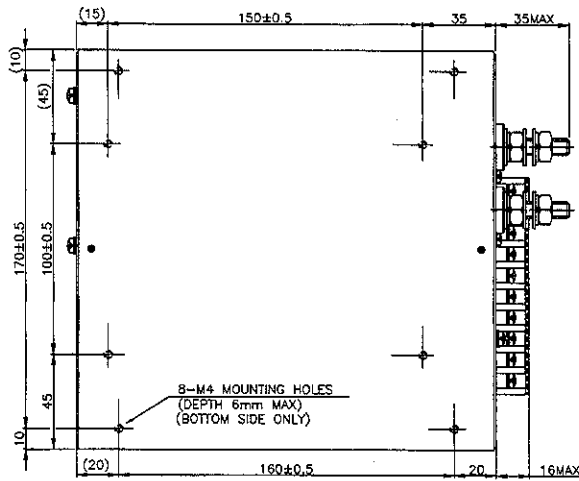
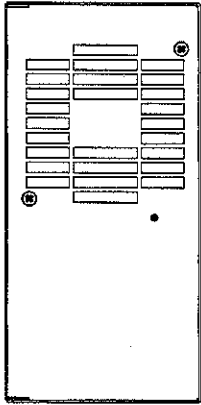
NB : Maximum penetration of mounting/fixing screws not to exceed 6mm.

EDITION 2001

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Series EWS-P

CASE 600
Weight 3.7Kg



---ACCESSORIES---

- *COVER FOR VARRIER TERMINAL STRIP --- 2 (MOUNTED ON TERMINAL STRIP AT TIME OF SHIPMENT.)
- *METAL PIECE AT SHORTING T00 & C01 --- 1 (MOUNTED ON TERMINAL STRIP AT TIME OF SHIPMENT.)
- *METAL BAR AT SHORTING AC0 & FG --- 1 (MOUNTED ON TERMINAL STRIP AT TIME OF SHIPMENT.)
- *SENSING WIRE --- 2 (+-RED, --BLACK)

(unit : mm)
MODEL EWS600P
LAMBDA ELECTRONICS
14524-02-01B

CONNECTION

Input connection	Terminal blocks
Output connection	Terminal blocks M8 studs for DC output for EWS 600P

Series EWS-P

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