

Series EWS/EWS-P



100-1500

WATTS

POWER SUPPLY AC/DC

SINGLE OUTPUT

Power factor correction :
EN 61000 - 3 - 2 compliant
(EWS100P to 600P)

EMI : conforms to EN55022 curve B (conducted and radiated)
(EWS100P to 600P)

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

Wide range of output adjustment

Current sharing on
300, 600 & 1500W models

Guarantee 3 years

INPUT

Input voltage range	85-132/170-265VAC auto select (EWS 100P & 150P) 85-265VAC wide range (EWS 300P & 600P) 85-132V/170-265VAC selectable (EWS1500)
Frequency	47-63Hz
Inrush current	28A on EWS 100P & 150P 30A on EWS 300P 40A on EWS 600P 60A on EWS 1500
Input protection	fuse
DC Input	230-330VDC on EWS 100P & 150P

OUTPUT

Power (convection cooled)	120W and 180W (EWS100P and EWS150P)
(ventilated)	300, 600W and 1500W (EWS 300P, 600P & 1500)
Adjustment range	± 10% on EWS100P&150P -10% +20% on EWS 300P & 600P 2V & 3.3V ± 20% on EWS300P&600P 5V-12V-15V-24V-28V & 48V 0% to 120% on EWS1500 via signal 0.6V
Line regulation (on specific range)	0.4% (0.6% for 3.3V EWS1500 1% for 2V EWS1500)
Load regulation (variation of charge of 0 to 100%)	0.6% on EWS300P, 600P & 5V to 48V EWS1500 0.8% on EWS 100P, 150P 0.9% on 3.3V EWS1500 1.5% on 2V EWS1500
Hold up	20ms
Ripple and Noise	EWS 100P & 150P 3.3V 120mV 5V 150mV 12V - 15V 200mV 24V-28V-48V 250mV EWS 300P & 600P 2V - 3.3V - 5V 100mV 12V-15V-24V-28V 200mV 48V: 400mV EWS1500 2V - 5V 100mV 6V - 28V 200mV 48V 400mV

* Total mechanical compatibility with the EWS

OUTLINE SPECIFICATION (continued)

OUTPUT (continued)

Temperature coefficient	<1%, <2% on EWS1500
Over current protection	current limit
Over voltage protection	standard
Remote sense	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)
Remote control	via external logic signal (EWS 300P, 600P and 1500)
Power fail	open collector (EWS 300P, 600P and 1500)
Parallel operation	possible on EWS 300P, 600P and 1500 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, 1500) 100% to 40°C (EWS 100P, 150P) 100% to 50°C (EWS 300P, 600P, 1500) 85% to 50°C (EWS 100P, 150P) 40% to 60°C (EWS 100P, 150P) 70% to 60°C (EWS 300P, 600P, 1500)
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) - EWS P FCC.A - EWS1500

TABLE OF MODELS

Model	Case	Max. power Watts	Output Volts	Amp.
EWS 300P 2	300	120	2	60
EWS 600P 2	600	240		120
EWS 1500 2	1500	600		300
EWS 1500 3.3	1500	990		300
EWS 100P 5	100	120	5	24
EWS 150P 5	150	180		36
EWS 300P 5	300	300		60
EWS 600P 5	600	600		120
EWS 1500 5	1500	1500		300
EWS 100P 6	100	120	6	20
EWS 150P 6	150	180		30
EWS 300P 6	300	300		50
EWS 600P 6	600	600		100
EWS 100P 9	100	121	9	13.4
EWS 150P 9	150	180		20
EWS 300P 9	300	306		34
EWS 600P 9	600	612		68
EWS 1500 10	1500	1500	10	150
EWS 100P 12	100	120	12	10
EWS 150P 12	150	180		15
EWS 300P 12	300	324		27
EWS 600P 12	600	636		53
EWS 1500 12	1500	1500		125

Model	Case	Max. power Watts	Output Volts	Amp.
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
EWS 1500 15	1500	1500		100
EWS 100P 18	100	121	18	6.7
EWS 150P 18	150	180		10
EWS 300P 18	300	324		18
EWS 600P 18	600	630		35
EWS 100P 24	100	120	24	5
EWS 150P 24	150	180		7.5
EWS 300P 24	300	336		14
EWS 600P 24	600	648		27
EWS 1500 24	1500	1512		63
EWS 100P 28	100	120	28	4.30
EWS 150P 28	150	182		6.5
EWS 300P 28	300	336		12
EWS 600P 28	600	644		23
EWS 1500 36	1500	1512	36	42
EWS 100P 48	100	120	48	2.5
EWS 150P 48	150	182		3.8
EWS 300P 48	300	336		7
EWS 600P 48	600	624		13
EWS 1500 48	1500	1536		32

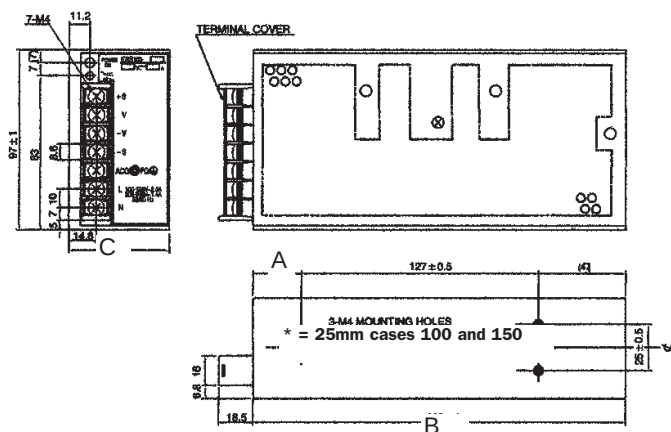
PHYSICAL SPECIFICATION

CASES 100-150

Weight 1.15Kg (100)

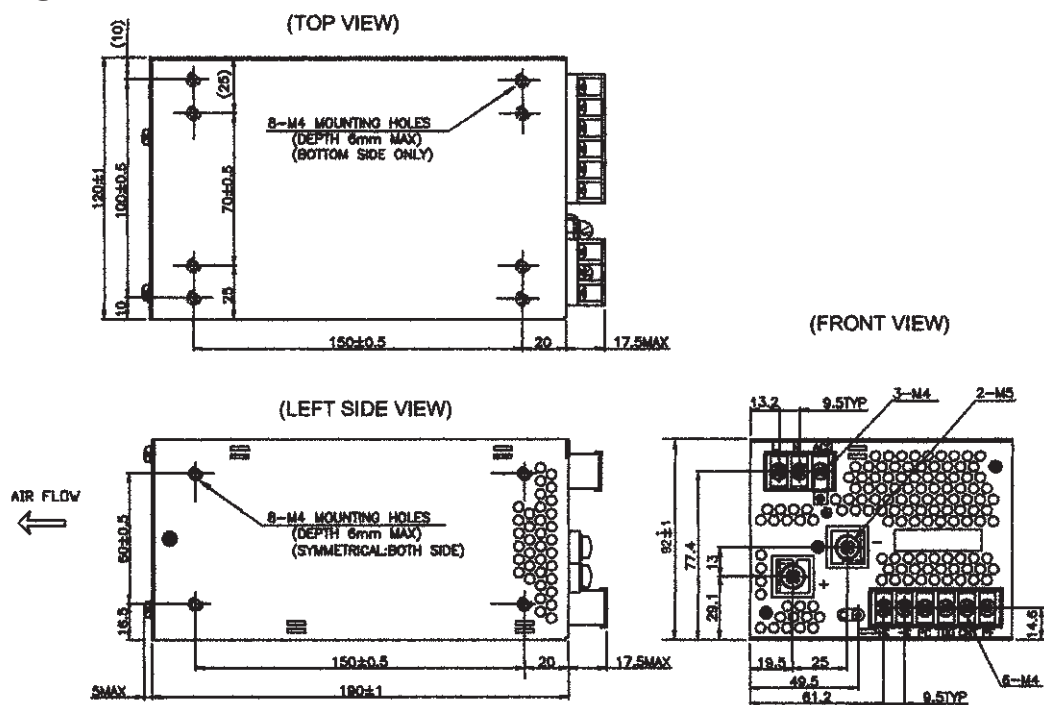
Weight 1.4Kg (150)

	Dimensions			Weight
Model	A	B	C	kg
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.

