

SWS300 - 600 SERIES

AC/DC Single Output: 300-600 Watts



Specifications

INPUT VOLTAGE:	85 ~ 264VAC, 120 ~ 370VDC
INPUT CURRENT:	SWS300: 2.5 - 1.8A @ 115 - 230VAC SWS600: 7.2 - 3.6A @ 115 - 230VAC
POWER FACTOR:	0.99 - 0.95 @ 115 - 230VAC
HARMONICS:	EN61000-3-2
OUTPUT POWER:	300 ~ 600 watts
EFFICIENCY:	Model dependant: 67 - 85%
OUTPUT VOLTAGE:	Refer to table
RIPPLE & NOISE:	Model dependant: 100 - 240mV 3.3V - 48V output
LINE REGULATION:	Model dependant: 20 - 96mV 3.3V - 48V output
LOAD REGULATION:	Model dependant: 40 - 240mV 3.3V - 48V output
TEMP. CO-EFFICIENT:	0.02% per °C
OVERLOAD PROTECTION:	Constant current set at approx 110% of rated current with automatic recovery
OVP:	OVP will shut down unit. Recycle AC power after 30 seconds to restart
OVERTEMP. PROTECTION:	OTP will shut down unit. Recycle AC power after cooling down to restart
HOLD UP TIME:	Typically 20ms
LEAKAGE CURRENT:	0.75mA max. Typically 0.5mA @ 230 VAC
PARALLEL OPERATION:	SWS600 only with power share
REMOTE SENSE:	SWS600 only
REMOTE ON/OFF:	SWS600 only
PF SIGNAL:	SWS600 only (Open Collector V Out)
INDICATOR:	LED for DC ok
OPERATING TEMP:	-10°C to +65°C. Request derating graphs above 50°C
HUMIDITY:	30 - 90% RH. No dewdrop
COOLING:	Forced air by internal fan: SWS300 & 600
ISOLATION:	Input - Output/Case: 3K VAC/2K VAC Output - Case: 500 VAC
SAFETY:	UL60950, EN60950
EMI:	EN55011/EN55022-B
IMMUNITY:	EN61000-4-2, -3, -4, -5, -6, -8, -11
WEIGHT:	SWS300: 950g, SWS600: 2Kg
DIMENSIONS:	SWS300: 210 x 102 x 52mm SWS600: 210 x 120 x 92mm

Features

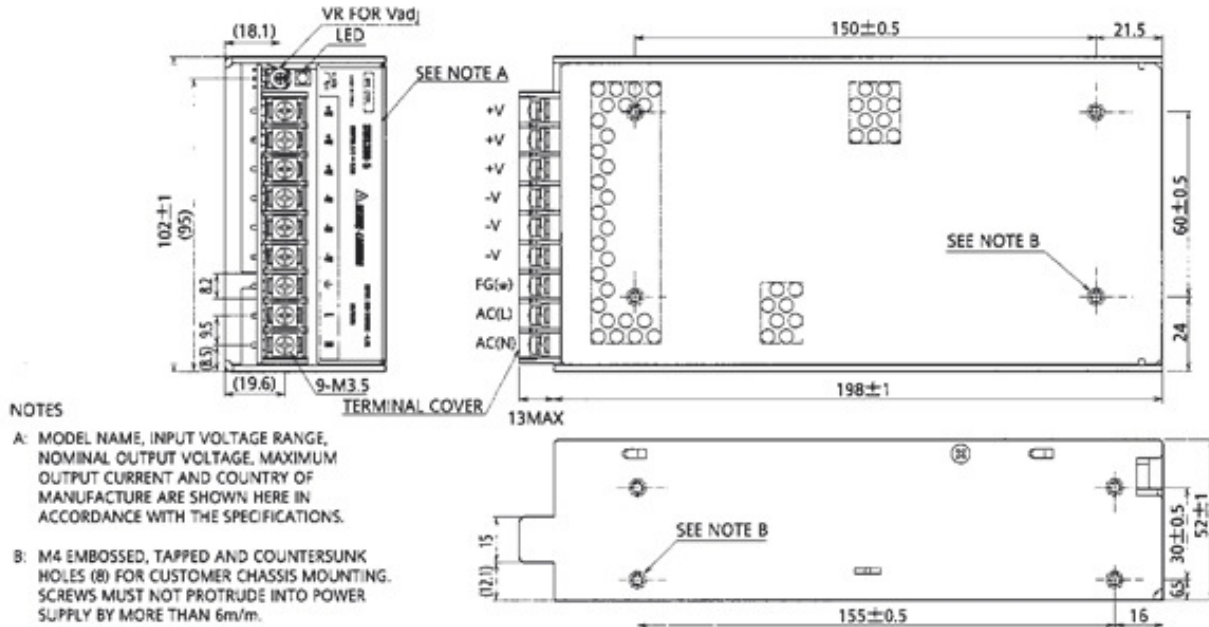
- Universal input 85~264 VAC
- Short circuit and OVP protection
- Harmonic correction EN61000-3-2
- Power factor correction
- EMC EN55022
- Immunity EN61000-4
- International safety approvals
- LED indicator
- Wide voltage adjustment
- Suitable for a wide range of telecommunications and industrial applications

MODEL	Output			Power W
	V	A	(V Range)	
SWS300 - 3	3.3V	55A	2.9 - 3.9V	181W
SWS300 - 5	5.0V	55A	4.5 - 6V	275W
SWS300 - 12	12V	26A	9.6 - 13.2V	312W
SWS300 - 15	15V	21A	13.2 - 18.6V	315W
SWS300 - 24	24V	13A	20 - 28.8V	313W
SWS300 - 36	36V	8.7A	28.8 - 40V	313W
SWS300 - 48	48V	6.7A	40 - 57.6V	320W
SWS600 - 3	3.3V	100A	2.9 - 3.9V	330W
SWS600 - 5	5.0V	100A	4.5 - 6V	500W
SWS600 - 12	12V	50A	9.6 - 13.2V	600W
SWS600 - 15	15V	40A	13.2 - 18.6V	600W
SWS600 - 24	24V	25A	20 - 28.8V	600W
SWS600 - 36	36V	16.7A	28.8 - 40V	600W
SWS600 - 48	48V	12.5A	40 - 57.6V	600W

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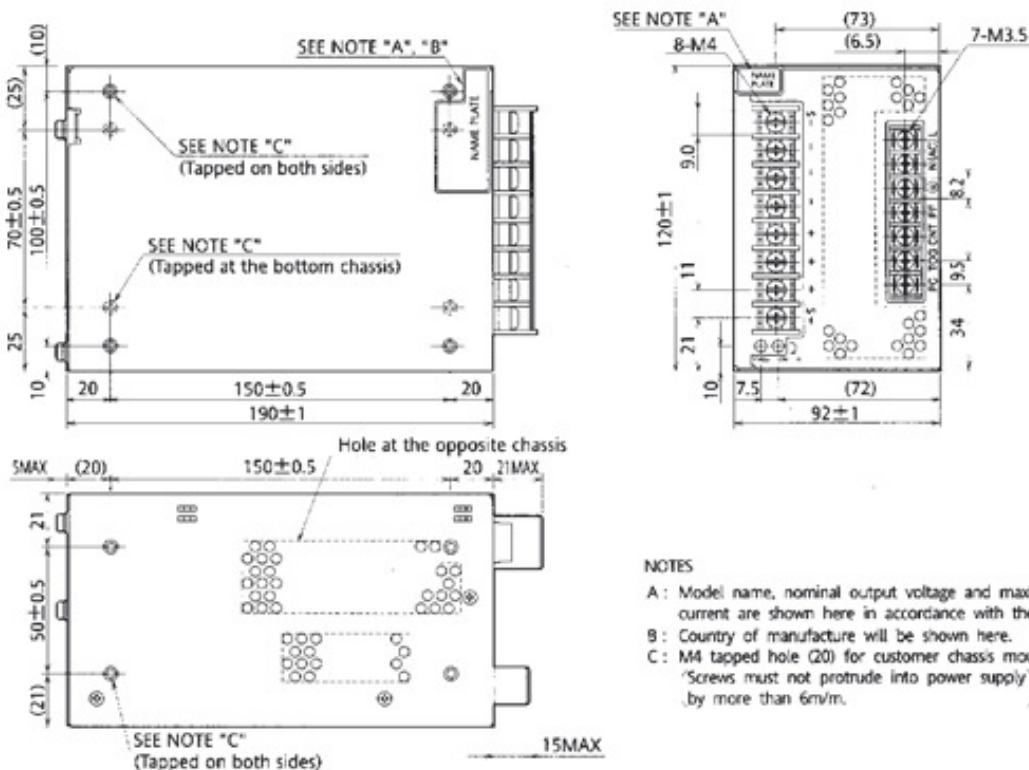


NOTES

- A: MODEL NAME, INPUT VOLTAGE RANGE, NOMINAL OUTPUT VOLTAGE, MAXIMUM OUTPUT CURRENT AND COUNTRY OF MANUFACTURE ARE SHOWN HERE IN ACCORDANCE WITH THE SPECIFICATIONS.
- B: M4 EMBOSSED, TAPPED AND COUNTERSUNK HOLES (B) FOR CUSTOMER CHASSIS MOUNTING. SCREWS MUST NOT PROTRUDE INTO POWER SUPPLY BY MORE THAN 6m/m.

Unit mm

SWS600



NOTES

- A: Model name, nominal output voltage and maximum output current are shown here in accordance with the specifications.
- B: Country of manufacture will be shown here.
- C: M4 tapped hole (20) for customer chassis mounting. 'Screws must not protrude into power supply' by more than 6m/m.

Unit mm