

SP300 Series Switching Power Supply

The SP300 (300 Watt) series of switching power supplies offer AC to DC/ DC to DC power conversion. Packaged in an enclosed frame configuration, these power supplies offer;

- Wide universal range inputs.
- Power Factor Correction (PFC).
- Regulated output.
- Overload and short circuit protection.
- Remote ON/ OFF option.
- Remote Sensor.



Specifications:

Input	Voltage (auto-selectable):	85 to 264VAC @ 47 to 63Hz 110 to 340VDC
	Inrush Current:	20A typical (@ 100VAC, cold state, full load) 40A typical (@ 220VAC, cold state, full load)
	Power Factor:	0.97 (@ 100 VAC, full load) 0.95 (@ 220 VAC, full load)
	Leakage Current:	1.5 mA maximum
	Output:	Output voltage range:
	Line (Voltage) Regulation:	< ±5%
	Load Regulation:	< ±1%
	Hold-up Time:	20 mS
	Remote Sensor:	Included
	Remote ON/OFF:	Optional
Protection:	Isolation Voltage (Input to Output):	3,000VAC for 1 minute
	Isolation Voltage (Input to FG)	2,000VAC for 1 minute
	Dielectric Resistance:	50 Mohm @ 500VDC
	Over voltage protection:	115% to 140% of Rating
	Over current protection:	≤ 105% w auto recovery
Environmental:	Operating Temperature:	0°C to 50°C @ 100% load 0°C to 60°C @ 70% load
	Humidity (non-condensing):	90% maximum

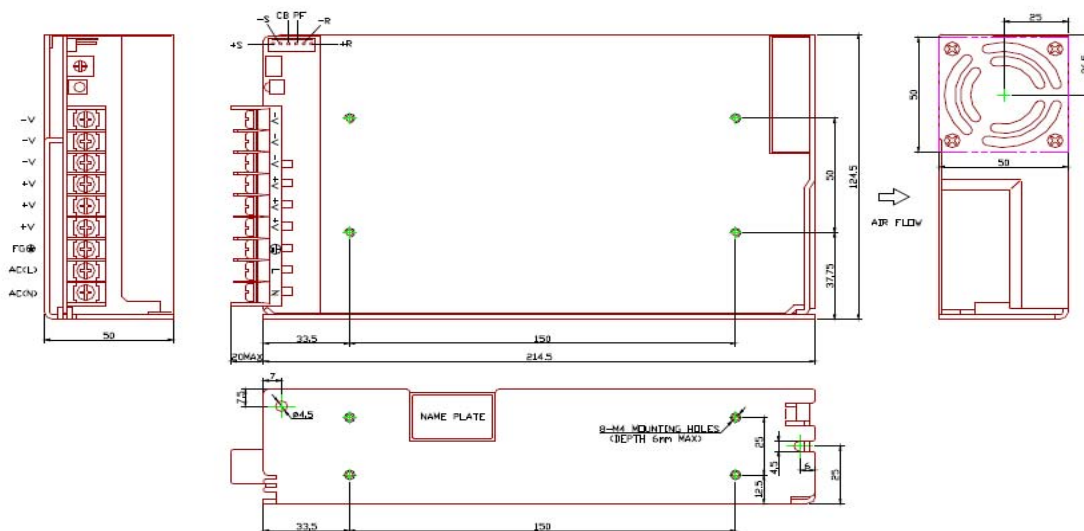
Models:

MODEL	Output (V)	Output (A)	Ripple & Noise (mV p-p)	Efficiency (Typical)
SP300 -5	5.0	50.0	120	78%
SP300 -12	12.0	25.0	150	80%
SP300 -15	15.0	20.0	150	82%
SP300 -24	24.0	12.5	180	85%
SP300 -48	48.0	6.2	400	85%

Physical:

Dimensions:

Length – 214.5mm + 20mm (9.2 in),
Width – 124.5mm (4.9 in),
Height – 50mm (2.0 in)



Custom power supply designs are available to meet the specific application requirements. For a no obligation technical evaluation, please provide the specific requirements to:

- Email: engineering@tichenassociates.com or
- FAX: 206.350.6482 or
- Engineering
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