

**FEATURES**

- 5VDC to 58VDC in 1Volt Increments
- Remote Sense
- 1U Height
- 90-264 VAC Input
- UL/cUL , CB & DEMKO (EN60950) Approved
- RoHS Compliant
- 2x4 Footprint

**SP75 Series 75W Open Frame Power Supply**



**SPECIFICATION**

Model	SP75-10500	SP75-11200	SP75-11500	SP75-12400	SP75-14800	SP75-15800	
Output Requirements	Voltage (1)	5V	12V	15V	24V	48V	58V
	Current Range	0 ~ 8A	0 ~ 6.25A	0 ~ 5A	0 ~ 3.12A	0 ~ 1.56A	0 ~ 1.29A
	Rated Power	40W	75W	75W	75W	75W	75W
	Ripple & Noise (Max) (2)	1% Pk to Pk					
	Voltage Adjustment Range	± 5%					
	Voltage Tolerance	±5%					
	Line Regulation	±1%					
	Load Regulation	±5%					
	Setup, Rise Time	All output shall reach their steady state values within 3 Sec. of turn on					
	Hold Time	20mS min.					
Input Requirements	Voltage	90V ~ 264VAC					
	Frequency	47Hz / 63Hz					
	Efficiency (Typ. @ 115V AC)	68%	75%	84%	85%	85%	85%
	AC Current (max.)	2.0A @ 115VAC					
	Inrush Current (max.)	Will not exceed 30A / 115VAC, Cold Start, 25°C					
Protection Requirement	Short Circuit Protection	Protection type : Hiccup mode, recovers automatically after fault condition is removed					
	Over- Current Protection	>150% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed					
	Over voltage protection	115% ~ 135% rated output voltage Protection type : Hiccup mode, Recycle AC to restart					
Environmental Conditions	Temperature Range	Operational	-40°C ~ 50°C				
		Storage	- 40°C ~ +80°C				
	Working Humidity	Operational	20 ~ 90% RH non-condensing				
		Storage	5 ~ 95% R.H				
	Temperature Coefficient	±0.01%/°C typical on all outputs					
	Vibration	3G, 10-25Hz, 15min. Per cycle for each axis (X, Y, Z)					



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Safety & EMC	Safety Standards	UL/cUL (60950 2 <sup>nd</sup> Ed) , DEMKO and CB				
	Withstand Voltage	I/P - O/P: 3KVAC (4242 DC), 10mA for 1 minute				
	EMI Conduction & Radiation	EN55022 , FCC Class B				
	EMS Immunity	EN61204, EN61000-3-2, EN61000-3-3				
Others	MTBF	150,000 hrs @ 25°C based on MIL-STD-217F				
	Dimension (L*W*H)	101.64*50.83*30.5 (mm) - 4.0*2.0*1.2 (inch)				
	Weight	0.18kg - 0.40Lb				

### PIN ASSIGNMENT

Connector	AC	DC
	Input	Output
PIN 1	Line	+V
PIN 2	NC	+V
PIN 3	Neutral	+ S (Remote Sense)
PIN 4		- S (Remote Sense)
PIN 5		-V
PIN 6		-V
Connector	Molex 1063-4037	Molex 09-65-2065

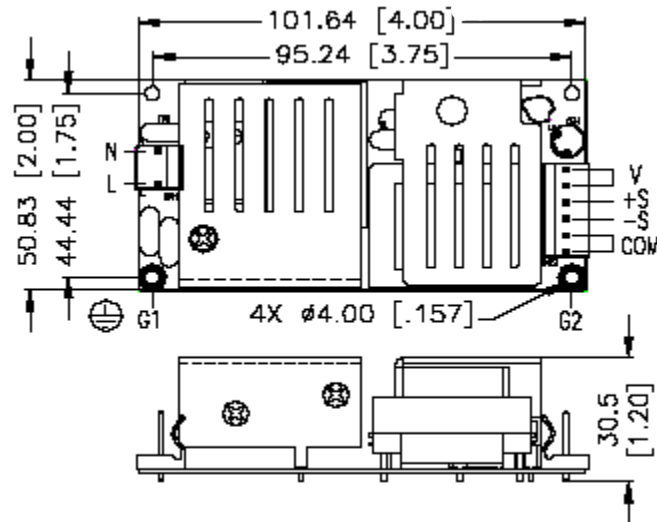
### SHIPPING SPECIFICATIONS

Series	UNITSP PER CARTON	CARTON WEIGHT	
SP75	72.0	13.27 Kgs	29.26 Lbs

INDIVIDUAL BOX DIEMENSION		WIDTH	LENGTH	HEIGHT
Series	Inch	16.00	16.00	10.00
SP75	MM	406.4	406.4	254.0



**SPECIFICATION**



**NOTES:**

1. This family is from 5V to 48V in 1VDC increment, please consult Autec Sales with the right model # for your application.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
3. Tolerance: includes set up tolerance, line regulation and load regulation.
4. Line regulation is measured from low line to high line at rated load.
5. Load regulation is measured from 0% to 100% rated load.
6. Specification subject to change without notice.

