

## **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

## **SPECIFICATION**





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

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Model		SP75-10500	SP75-11200	SP75-11500	SP75-12400	SP75-13800	SP75-14800	
7.)	Safety Standards	UL/cUL (60950 2 <sup>nd</sup> Ed) , DEMKO and CB						
& EMC	Withstand Voltage	I/P - O/P: 3KVAC (4242 DC), 10mA for 1 minute						
Safety 8	EMI Conduction & Radiation	EN55022 , FCC Class B						
	EMS Immunity	EN61204, EN61000-3-2, EN61000-3-3						
	MTBF	150,000 hrs @ 25°C based on MIL-STD-217F						
Others	Dimension (L*W*H)	101.64*50.83*30.5 (mm) - 4.0*2.0*1.2 (inch)						
	Weight	0.18kg - 0.40Lb						

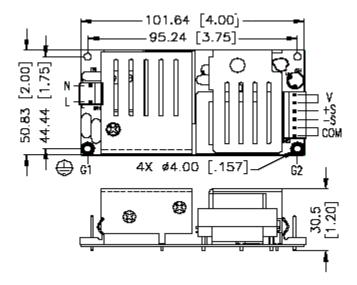
PIN ASSIGNMENT					
Connector	AC	DC			
Connector	Input	Output			
PIN 1	Line	+V			
PIN 2	NC	+V			
PIN 3	Neutral	+ S (Remote Sense)			
PIN 4		- S (Remote Sense)			
PIN 5		-V			
PIN 6		-V			
Connector	Molex 1063-4037	Molex 09-65-2065			

SHIPP	SHIPPING SPECIFICATIONS				
Series	UNITSP PER CARTON	CARTON WEIGHT			
SP75	72.0	13.27 Kgs	29.26 Lbs		

INDIVIDUL BO 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.