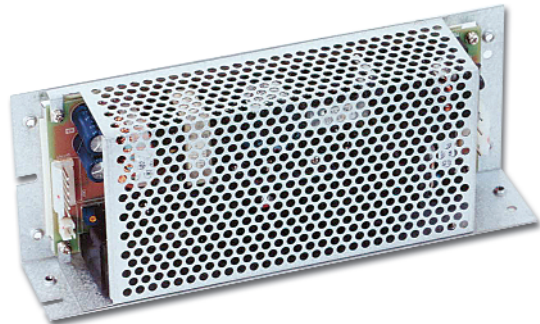


ZWS-PAF Series

150W to 480W Single Output Power Supplies



- ◆ Universal Input (85 - 265VAC)
- ◆ Power factor Corrected
- ◆ 200% Peak Power capability
- ◆ 2 year warranty
- ◆ Less than 0.5mA earth leakage current

RoHS

Key Market Segments & Applications

Factory Automation
 Test & Measurement
 Light Industrial Equipment

Features and Benefits

Feature	Benefit
◆ Input Transient Protected	◆ Withstands harsh environments
◆ Power Factor Corrected	◆ Supports Global Use
◆ 200% Peak Power capability	◆ Can drive high current start up or pulse loads

Specifications

MODELS		ZWS150PAF	ZWS240PAF
ITEMS			
Input Voltage		85-265VAC (47-63Hz), 120-370VDC	
Input Current (Forced air) (1)	A	2.8/1.4	4.0/2.0
Inrush Current (1,2)	A	14 / 28	
Power Factor		0.99 at 100VAC, 0.95 at 200VAC, Meets EN61000-3-2	
Leakage Current	mA	0.5mA Max. Typically 0.1mA (100VAC), 0.22mA (230VAC)	
Temperature Coefficient		<0.02%/°C	
Overcurrent Protection (3)	-	>102% of peak current capability	
Overvoltage Protection	V	24V: 30-35V, 36V: 43.2-50.4, 48V: 55.2-64.8V	
Hold Up Time (Typ) at 100VAC	ms	20 (16ms at forced air power ratings)	
Efficiency	%	82	
Remote On/Off		See installation manual (Not available with /A cover option)	
Line Regulation	%	0.4%	
Load Regulation	%	0.8%	
Ripple & Noise	%	1%	
Operating Temperature (4)		(Open frame or L bracket) -10°C to +70°C, derate linearly to 70% load from 60°C to 70°C	
Operating Temperature (4)		(With /A cover option) -10°C to +60°C, derate linearly to 70% load from 50°C to 60°C	
Storage Temperature		-30 to +85°C	
Humidity (non condensing)		Operating: 30 - 90% RH, Operating: 10 - 95% RH	
Cooling		Convection or Forced Air Cooled (1.5m/s)	
Withstand Voltage		Input to Ground 2kVAC (20mA), Input to Output 3kVAC (20mA), Output to Ground 500VAC (100mA) for 1 min.	
Isolation Resistance		>100M at 25C & 70% RH, Output to Ground 500VDC	
Vibration (non operating)		10 - 55Hz (1 minute sweep), 19.6m/s ² constant X, Y, Z 1 hour	
Shock		< 196.1 m/s ²	
Safety Agency Approvals		UL60950-1, CSA60950-1, EN60950-1, EN50178, CE Mark	
Conducted & Radiated EMI		EN55022/EN55022-B, FCC Class B, VCCI-B	
Recommended EMI Filter		MAW1205-22	
Immunity		EN61000-4-2, -3, -4, -5, -6, -8, -11	
Weight (Typ)	g	500g (800g with cover)	750g (1100g with cover)
Size (WxHxD)	mm	See Outline Drawings	
Warranty	yrs	Two Years	

Notes:

- (1) 100/200VAC
- (2) 25°C ambient (cold start)

- (3) Avoid prolonged operation in overload
- (4) With 0.7m/s airflow. See derating table for convection cooling

