# PSA-360 Series (1 Phase) **Specifications**



EVENDEDE

Altech Corp.

## Features:

- Multiple overload/ short circuit protection modes • Efficiency above 91%
- Easy parallel connection for more power
- Small size • DIN rail mountable
- Cooling by free air convection
- UL508 (industrial control equipment) approved
- EN60950-1
- Built-in DC OK relay contact
- 3 year warranty

JTPUT	Cat. No.	PSA-36024
and the second se	DC VOLTAGE	24 V
	RATED CURRENT	14 A
	CURRENT RANGE	0 ~ 14 A
	RATED POWER	336 W
	RIPPLE & NOISE (max)	80 mVp-p
		Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µF & 47µF parallel capacito
	VOLTAGE ADJ. RANGE (DC)	$22 \sim 27 \text{ V}$
	VOLTAGE TOLERANCE	-0.03
	VOLIAGE TOLENANOL	Tolerance: includes set up tolerance, line regulation and load regulation.
	START UP WITH STRONG LOAD	$\leq$ 50,000 µF
	SHORT CIRCUIT CURRENT ICC	30,000 µi
		Max 2 sec.: Hiccup mode
		Permanent: Continuous mode
	DISSIPATION POWER LOAD mas	28 W
	LINE REGULATION	$\pm 0.5\%$
	LOAD REGULATION	± 1%
	SETUP, RISE TIME	1 sec. (max)
1.5.1		Length of set up time is measured at cold first start. Turning ON/OFF the power supply may lead to increase of the set up time.
	HOLD UP TIME (Typ.)	Typ. 20 msec
PUT	VOLTAGE RANGE	90 ~ 135V AC / 180 ~ 264V AC switch select
	FREQUENCY RANGE	47 ~ 63 Hz
	EFFICIENCY (Typ.)	>91 %
	AC CURRENT (115 – 230 Vac.)	3.3 ~ 2.2 A
	INRUSH CURRENT (Typ.)	< 16 A < 5 msec
	INTERNAL FUSE	6.3 A (T)
	EXTERNAL FUSE (recommended)	16 A (MCB curve B)
ROTECTION	LEAKAGE CURRENT	< 1.5 mA @ 230 Vac
	OVERLOAD	In (60°C) x 1.5 <sup>3</sup> (3 min.)
		Current max. Overload @ 4Vdc (permanent) Imax=In (60°C) x (1.8 - 2.2)
	OVER VOLTAGE	$14 \sim 17 \text{ Vdc}$ $30 \sim 35 \text{ Vdc}$ $50 \sim 55 \text{ Vdc}$
	OVER TEMPERATURE	Yes. Shuts down output and automatically restarts when the temperature inside goes down
VIRONMENT	SHORT CIRCUIT PROTECTION	1 Hiccup Mode / 2 Fold Back / 3 Restart After Main - Selectable
	DC OK AKTIV SIGNAL (max.)	20 ~ 30 Vdc
	WORKING TEMP.	-25 up to +70 °C
		(>60°derating 2.5% °C)
	HUMIDITY	95 % at 25°C, no condensation
	STORAGE TEMP	-40 up to +85 °C
	TEMP. COEFFICIENT	$\pm 0.03\% / C^{\circ} (0 \sim 60 °C)$
AFETY & EMC	MOUNTING	In according to IEC60068-2-6
		•
	SAFETY STANDARDS	UL508 Listed
		IEC/EN 60950, EN 50178, IEC/EN 60950, EN60950-1, PELV EN 60204-1
	WITHSTAND VOLTAGE	I/P-0/P: 3k VAC I/P-FG: 1.6k VAC 0/P-FG: 500 VAC
	PROTECTION CLASS	IP 20 (EN/IEC 60529)
	ISOLATION RESISTANCE	100 MΩ (min) @ 500 Vdc
	EMI CONDUCTION & RADIATION	EN61000-6-4
	HARMONIC CURRENT	
	EMS IMMUNITY	EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5,
		EN 61000-4-6, EN61000-6-2, EN61000-6-4,
		The power supply is considered a component which will be installed into a final equipment. The final equipment must be
THERS		re-confirmed that it still meets EMC directives.
	MTBF IEC 61709	> 500.000 h
	POLLUTION DEGREE	2
	CONNECTION TERMINAL BLOCK	2.5 mm Screw terminal (24 ~ 14 AWG)
	DIMENSION	72x115x135 mm (2.8x4.5x5.3 in )
	PACKING	0.65 kg (1.4 lbs) each
	NOTE	All parameters NOT specially mentioned are measured at 230V AC input, rated load and 25°C of ambient temperature.

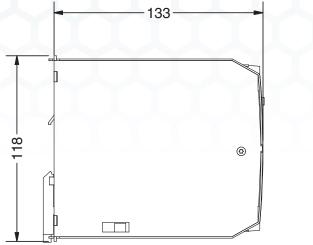
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For the latest on Altech Power Supply specifications please visit www.altechcorp.com/power.

# Altech Corp.

PSA Flex Series

### **Mechanical Specification**



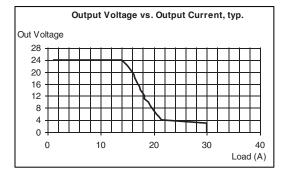


TB1 Terminal Pin. No Assignment

Pin No.	Assignment
	(1 phase)
1	N
2	L
	FG⊕

#### **DC OK Relay Contact**

Outputs are used for preventive function monitoring of the power supply. An electrically isolated signal contact is available. The signal contact closes when the output power is OK and opens when the output voltage falls below 20Vdc  $\pm$ 5%.

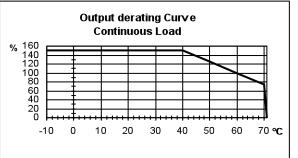


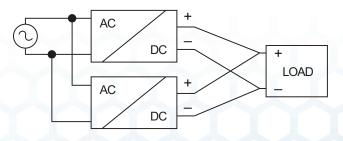
#### **Parallel Connection**

A parallel connection with the same model power supply can be set up to increase the output power. The output has to be adjusted approximately to the same value (± 20mV) while applying a 1-2 A load to all devices before connecting them in parallel. In PSA-360xx, for more power, the position of the Easy Parallel jumper needs to be changed to enable a parallel connection. In this mode up to 4 power supplies can be put together in parallel. TB1 Terminal Pin. No Assignment

Pin No.	Assignment
1,2,3	DC output -V
4,5,6	DC output +V
7,8	DC OK relay contacts

## **Output Derating Curve**





Note: All dimensions are in millimeters, to convert to inches multiply by 0.03937.

Appendix

# **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

Click to view similar products for DIN Rail Power Supplies category:

Click to view products by Altech manufacturer:

Other Similar products are found below :

PS-3015 PSP-480S48 PSR-SD25 PS-S6024 DR-45-24 DRP048V120W1BA DVP01PU-S DVP06AD-S DVP06XA-S DVPDNET-SL DVPDT01-S DVPPS01 DVPPS02 KHNA30F-5 KHNA60F-24 S8JX-G01524 S8JX-G01548C S8JX-G03512D S8VS-09024B-F PS-6012 PS9Z-5R1G PS-C24024 PSC-9648 5607189 KHNA30F-24 KHNA480F-24 KHNA90F-12 KHNA90F-24 DVP08ST11N DVPACAB530 DVPCOPM-SL DVPEN01-SL DVPPF01-S S8JX-G10012 S8JX-G15024 CBI1210A SS14011524 S8JX-G01505C S8TS-06024-E1 PS-S2012 PSW-12024 PS-UPS40 PSC-6024 S8VS-48024A-F PSD-A60W12 96PS-A120WDIN PSD-A60W48 S8JX-G03515CD PSD-A40W12 PSD-A40W24