

PSC-60 Series

Version 2









Features:

- Universal AC input (90-264V AC)
- Protections: Short Circuit / Overload / Overvoltage
 Installed on DIN rail TS35 / 7.5 or 15

- DC OK relay output
 All wiring 105°C long life electrolytic capacitors
- High operation temperature up to 70°C
- Withstands 2G vibration test
- · High efficiency, long life and high reliability
- 3 year warranty
- NEC Class 2 compliant
- UL508 (Industrial control equipment) listed

OUTPUT

INPUT

PROTECTION

ENVIRONMENT

SAFETY & EMC

OTHERS

NOTES

Cat. No.	PSC-6005	PSC-6012	PSC-6015	PSC-6024	PSC-6048
DC VOLTAGE RATED CURRENT CURRENT RANGE RATED POWER RIPPLE & NOISE (max) VOLTAGE ADJ. RANGE VOLTAGE TOLERANCE LINE REGULATION LOAD REGULATION SETUP, RISE TIME HOLD UP TIME (Typ.)	5V 10A 0-10A 50W 80mVp-P 5-6V ±2.0% ±1.0% < 500ms, <30m: > 30ms/115VAC	12V 5A 0 ~ 5A 60 W 120mVp-p 10.8 ~ 16.2V ±1.0% ±1.0% ±1.0% s/230VAC; 1000ms/at full load	15V 4A 0 ~ 4A 60 W 120mVp-p 13.5~ 16.5V ±1.0% ±1.0% 11.0%	24V 2.5A 0 ~ 2.5A 60 W 150mVp-p 21.6 ~ 26.4V ±1.0% ±1.0%	48V 1.25A 0 ~ 1.25A 60 W 200mVp-p 39.12 ~ 49.2V ±1.0% ±1.0%
VOLTAGE RANGE FREQUENCY RANGE EFFICIENCY (Typ.) AC CURRENT (Typ.) INRUSH CURRENT (Typ.) LEAKAGE CURRENT	47~63Hz 78% 1.1A/115VAC 0.7	86% A/230VAC ./ 115VAC; 60A / 23	. Please check the derating 86%	curve for more details.	88%
OVERLOAD PROTECTION OVERVOLTAGE PROTECTION OVER TEMPERATURE PROTECTION OVER CURRENT	Protection type: Hiccup 9.15~ 12.7V Protection type: Shut d	ated Output Power Mode- recovers automatic 15.6 ~ 18V Iown o/p voltage, re-power Itage, re-power on t		removed 31.2 ~ 36V	57.6 ~64.8V
WORKING TEMP. WORKING HUMIDITY STORAGE TEMP. / HUMIDITY TEMP. COEFFICIENT VIBRATION	-20 ~ +70°C (Refer to output load derating curve) 20 ~ 90% RH non-condensing -40 ~ +85°C; 10 ~ 95% RH ±0.03% / °C (0 ~ 50°C) 10 ~ 500Hz, 2G 10min. / 1cycle, 60 min. each long X,Y, Z axes				
SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMI CONDUCTION & RADIATION HARMONIC CURRENT EMS IMMUNITY	UL508, BS/EN62368-1, NEC Class 2 Compliant I/P-0/P:3KVAC I/P-FG:2KVAC 0/P-FG:0.5KVAC I/P-0/P, I/P-FG, 0/P-FG:100M 0hms / 500VDC / 25°C / 70% RH BS/EN55032 (CISPR32) Class B BS/EN61000- 3-2,-3, , EAC TP TC 020 BS/EN61204-3 Class B, CNS13438 Class B				
DC OK Signal MTBF DIMENSION PACKING CONNECTION COOLING	Relay contact (30VDC / 1A, 120VAC / 1A) 200K hrs. min. at full load 25°C ambient temp 40 x 92 x 100 mm (WxHxD) 0.28Kg/27 pcs./8.76Kg / 1piece / 50 pieces per CTN I/P 3 poles, O/P: 6 poles screw DIN terminal Free air convection				

- 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- 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.
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."
- 5. Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.
- 6. The ambient temperature de-rating of 3.5°C /1000m

Altech Corp.

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Mechanical Specification

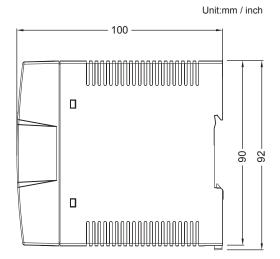
Terminal Pin. No Assign. (TB1)

Pin No.	Assignment	
1	FG ⊕	
2	AC/N	
3	AC/L	

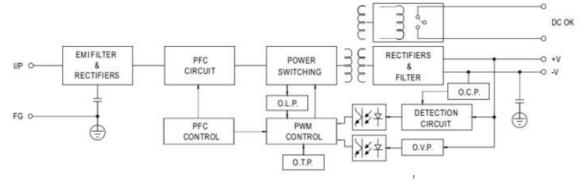
Terminal Pin. No Assign. (TB2)

Pin No.	Assignment	
1,2	DC OUTPUT +V	
3,4	DC OUTPUT -V	
5,6	DC OK RELAY CONTACT	





Block Diagram



DC OK Relay Contact

Contact Close	When the output voltage reaches the adjusted output voltage	
Contact Ratings(max.)	When the output voltage drop below 90%rated output voltage	
Contact Open	30V / 1A resistive load	

Derating Curve

