

# Kinco Power Supply



1.

24VDC power supply is a important device in industries applications. Almost all the cabinets require one 24VDC power supply at least. With the continuous upgrade of machines, its requirement for 24VDC power supply becomes higher and higher. Normal 24VDC power supply is big size and inconvenient for installation.

According to this situation, Kinco develop DIN-Rail installation type of 24VDC power supply.

2. Product Features:

- 1) DIN-Rail installation, more convenient.
- 2) Extreme compact size saves installation space.
- 3) Wide range of input voltage: 100~240VAC
- 4) Short-circuit protection
- 5) No load power consumption: <0.75W
- 6) 100% full load aging test

3. Product Specifications

MODEL	PS-2401	PS-2402	PS-2405
DC VOLTAGE	24V	24V	24V
RATED CURRENT	1A	2.5A	5A
CURRENT	0~1A	0~2.5A	0~5A

MODEL	PS-2401	PS-2402	PS-2405
RANGE			
RATED POWER	24W	60W	120W
RIPPLE & NOISE(Max) <sup>2</sup>	80mVp-p	120mVp-p	200mVp-p
VOLTAGE TOLERANCE	±2%	±2%	±2%
LINE REGULATION	±1%	±1%	±1%
LOAD REGULATION	±2%	±2%	±2%
SETUP TIME <sup>1</sup>	500mS/230V 1000mS/115V @ full load	500mS/230V 1000mS/115V @ full load	500mS/230V 1000mS/115V @ full load
RISE TIME <sup>1</sup>	30mS @ full load	30mS @ full load	30mS @ full load
HOLD UP TIME (Typ.)	50mS/230V 20mS/115V @ full load	50mS/230V 20mS/115V @ full load	50mS/230V 20mS/115V @ full load
VOLTAGE RANGE	100~240VAC 120~370VDC	100~240VAC 120~370VDC	100~240VAC 120~370VDC
FREQUENCY RANGE	47~63Hz	47~63Hz	47~63Hz
EFFICIENCY (Typ.)	88%	89%	88%
AC CURRENT(Max. x.)	< 0.55A	< 1.2A	< 2.3A
INRUSH CURRENT(Typ.)	COLD START 20A/115VAC 40A/230VAC	COLD START 20A/115VAC 40A/230VAC	COLD START 20A/115VAC 40A/230VAC
LEAKAGE CURRENT	<1mA/240VAC	<1mA/240VAC	<1mA/240VAC

MODEL	PS-2401	PS-2402	PS-2405
SHORT CIRCUIT	Hiccup Mode, Recovers automatically after fault condition is removed.	Hiccup Mode, Recovers automatically after fault condition is removed.	Hiccup Mode, Recovers automatically after fault condition is removed.
ENVIRONMENT			
WORKING TEMP.	-20°C~+70°C (Refer to Derating curve)	-20°C~+70°C (Refer to Derating curve)	-20°C~+70°C (Refer to Derating curve)
WORKING HUMIDITY	20 ~ 90% RH Non-condensing	20 ~ 90% RH Non-condensing	20 ~ 90% RH Non-condensing
STORAGE TEMP.	-40°C ~ +850°C	-40°C ~ +850°C	-40°C ~ +850°C
STORAGE HUMIDITY	10 ~ 95% RH	10 ~ 95% RH	10 ~ 95% RH
SATETY STANDARDS	EN60950-1 approved	EN60950-1 approved	EN60950-1 approved
WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC
EMC EMISSION	Compliance to EN55022 (CISPR22) CLASS B ,EN61000-3-2,-3	Compliance to EN55022 (CISPR22) CLASS B ,EN61000-3-2,-3	Compliance to EN55022 (CISPR22) CLASS B ,EN61000-3-2,-3
EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11 EN61000-6-1 cirteria A	Compliance to EN61000-4-2,3,4,5,6,8,11 EN61000-6-1 cirteria A	Compliance to EN61000-4-2,3,4,5,6,8,11 EN61000-6-1 cirteria A
DIMENSION	90*63*45MM (L*H*W)	90*63*45MM (L*H*W)	125*99*55MM (L*H*W)
WEIGHT	160g	160g	450g