



# High Efficiency GOLD Series Compact SMPS

## KRP-GOLD-350-XX

The KRP-GOLD-350-XX is a **high-efficiency, compact** switched-mode power supply designed for a wide range of applications including industrial, commercial, and consumer electronics. This power supply features advanced power management and robust protection mechanisms, ensuring reliable performance and energy savings.

### Key Features:

- High Efficiency: Up to 94% efficiency to minimize energy loss.
- Compact size in the market: (only 130x100x40mm) LxWxH
- Cooling: Temperature Controlled FAN
- 20% Power Boost (420W)
- Active inrush current Circuit: <7A with bypass relay-eliminate NTC heating
- Input under voltage protections (<185VAC)
- Output short circuit, over-load
- Can be mounted both Vertically and Horizontally with Panel Mount/Din rail Mount.
- Leading supplier for major OE manufactures, SAIL, HVF, NTPC, BHEL, RINL.
- All our products come with a 3-year warranty against all manufacturing defects

### Ordering Code:

#### KRP-GOLD-350-XX

↓   ↓   ↓   ↓  
1   2   3   4

1	COMPANY'S NAME & Single-Phase input
2	GOLD - HIGH EFFECIENCY
3	RATED OUTPUT POWER
4	RATED OUTPUT VOLTAGE

## SPECIFICATIONS:

MODEL		KRP-GOLD-350-12	KRP-GOLD-350-15	KRP-GOLD-350-24	KRP-GOLD-350-36	KRP-GOLD-350-48
OUTPUT	DC Voltage	12V	15V	24V	36	48
	Load Current	29.2A	23.3A	14.6A	9.6A	7.3A
	Rated Power	350W / (400W max. for 30sec)				
	Ripple & Noise	70mVp-p	73mVp-p	150mVp-p	250mVp-p	320mVp-p
	Line Regulation	± 1%				
	Load Regulation	<1% (185-280V AC)				
	Setup, Rise Time	2000ms, 90ms/230VAC at full load				
	Hold Up Time (Typ.)	20 msec at 230VAC				
INPUT	Voltage Range	190 to 280VAC				
	Frequency Range	47 - 63Hz				
	Efficiency (Typ.)	>92 %				
	AC Current (Typ.)	2.0A/230VAC				
	AC Inrush Current	7A at 230VAC with NTC bypass relay (avoid Unnecessary NTC Heat)				
	Leakage Current	<3.5mA/ 240VAC				
PROTECTION	Overload	Output On-Off at 440W				
	Short circuit	Protection type: Shut down o/p, Re-power on to recover (after 1 min)				
ENVIRONMENT	Working Temperature	-10 ~ +60°C (Refer to "Derating Curve")				
	Working Humidity	20 ~ 90% RH non-condensing				
	Storage Temp., Humidity	-20 ~ +85°C, 10 - 95% RH				
	Temp. Coefficient	+0.03%/°C (0 - 50°C)				
	Vibration	10 - 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes				
EMC & SAFETY	Safety Standards	IS 13252 (part1):2010/IEC60950-1:2005				
	Surge Voltage	6KV Tested				

EMC Emission	pending
EMC Immunity	Pending
Dimension	130*100*40mm (L*W*H)

**MECHANICAL DRAWING:**

