



## Fan Less Compact SMPS Up to 240W

### KRP-GOLD-240-XX

The **KRP-GOLD-240-XX** is kripower's **High efficiency**, **Compact** and **Fan less** 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 93% efficiency to minimize energy loss.
- Soft switching technology
- Compact size in the market: (only 130x100x40mm) LxWxH
- Cooling: convectional air-cooled fan less design
- 45% Power Boost (350W)
- 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 1-year warranty against all manufacturing defects

#### Ordering Code:

#### KRP-GOLD-240-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-180-12	KRP-GOLD-180-15	KRP-GOLD-240-24
OUTPUT	DC Voltage (nominal)	12V	15V	24V
	Load Current	15A	12A	10A
	Voltage Adjustment Range	11.4-14.4VDC	13-17VDC	23-27VDC
	Rated Power	240W / (350W max. for 30sec)		
	Ripple & Noise	95mVp-p	123mVp-p	180mVp-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	185 to 280VAC		
	Frequency Range	47 - 63Hz		
	Efficiency (Typ.)	>92 %		
	AC Current (Typ.)	2.0A/230VAC		
	AC Inrush Current	30A peak		
	Leakage Current	<3.5mA/ 240VAC		
PROTECTION	Overload	Output On-Off at 400W		
	Short circuit	Protection type: Shut down o/p. Re-power on to recover (after 1 min)		
ENVIRONMENT	Working Temperature	-10 ~ + 55°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:



Din rail Clamp extra (if required)