



High Efficiency GOLD Series Compact SMPS

KRP-GOLD-600-XX

The KRP-GOLD-600-XX is a 600W **High-Efficiency, Compact, Resonant** switching 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.
- Compact size in the market: (only 170 x 115 x 65mm) LxWxH
- 20% Power Boost (720W)
- Active inrush current Circuit: <7A with bypass relay-eliminate NTC heating
- Input under voltage protections (<1708VAC)
- Output short circuit, over-load Protections
- Can be mounted Panel Mount Horizontally (aluminum Case)
- Leading supplier for major OE manufactures SAIL, HVF, NTPC, BHEL, RINL.
- All our products come with a 2-year warranty against all manufacturing defects

Ordering Code:

KRP-GOLD-600-XX

↓ ↓ ↓ ↓
1 2 3 4

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

KRIPOWER
Plot No. 591, GuruKrupa Industrial estate,
Bhestan, Surat-395023, India.

kritsnamtechnologies@gmail.com
Mob: 9825848477, 9099855172
<https://kripower.com/>

SPECIFICATIONS:

MODEL		KRP-GOLD-600-15 KRP-GOLD-600-24 KRP-GOLD-600-36 KRP-GOLD-600-42 KRP-GOLD-600-48				
OUTPUT	DC Voltage	15V	24V	36V	42V	48V
	Load Current	40A	25A	16.67A	14.29A	12.5A
	Rated Power	600W				
	Ripple & Noise	110mVp-p	210mVp-p	320mVp-p	370mVp-p	400mVp-p
	Line Regulation	$\pm 1\%$				
	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	180 to 280VAC				
	Frequency Range	47 - 63Hz				
	Power Factor	Non PFC , PF = 0.5 - 0.65				
	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 750W Handles 150% Peak Load				
	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")				
	Cooling	Temperature Controlled FAN, Forced Air Cooled				
	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	Designed as per UL950				
	Surge Voltage	6KV Tested				

	EMC Emission	pending
	EMC Immunity	Pending
	Dimension	170*115*65mm (L*W*H)

MECHANICAL DRAWING:





KRIPOWER
Plot No. 591, GuruKrupa Industrial estate,
Bhestan, Surat-395023, India.

kritsnamtechnologies@gmail.com
Mob: 9825848477, 9099855172
<https://kripower.com/>