



High Efficiency GOLD Series Compact SMPS

KR3P-GOLD-600-XX

The KR3P-GOLD-600-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:

- Input 350VAC to 550VAC operating range (3 phase 3 wire, working with 2 Phase Operation)
- Input 410VDC to 780VDC operating range
- High Efficiency: Up to 93% efficiency to minimize energy loss.
- Compact size in the market: (only 245x125x65mm) LxWxH
- Cooling: convectional air-cooled fan less design
- 20% Power Boost (720W)
- 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:

KR3P-GOLD-600-XX

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

KRIPOWER

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<https://kripower.com/>

SPECIFICATIONS:

MODEL		KR3P-GOLD-600-15	KR3P-GOLD-600-24	KR3P-GOLD-600-48
OUTPUT	DC Voltage	15V	24V	48V
	Load Current	40A	25A	12.5A
	Rated Power	600W		
	Ripple & Noise	110mVp-p	210mVp-p	420mVp-p
	Line Regulation	± 1%		
	Load Regulation	<1% (350-500V AC)		
	Setup, Rise Time	2000ms, 90ms/415VAC at full load		
	Hold Up Time (Typ.)	20 msec at 415VAC		
INPUT	Voltage Range	350VAC to 550VAC / 410VDC to 780VDC		
	Frequency Range	47 - 63Hz		
	Efficiency (Typ.)	>92 %		
	AC Current (Typ.)	2.0A/415VAC		
	AC Inrush Current	7A at 230VAC with NTC bypass relay (avoid Unnecessary NTC Heat)		
	Leakage Current	<3.5mA/ 410VAC		
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	Designed as per UL950		
	Surge Voltage	6KV Tested		

EMC Emission	pending
EMC Immunity	Pending
Dimension	245*125*65mm (L*W*H)

MECHANICAL DRAWING:

