



OPEN FRAME SMPS UPTO 24W

KROF-24-XX

The KROF-24-XX is 24W Open Frame SMPS Series is a compact AC-DC power supply designed for space-constrained industrial and embedded applications. Built with a robust topology and high-quality components, this series delivers reliable and stable DC output with low ripple and noise. The open-frame construction allows easy integration into end equipment and ensures effective thermal performance. With wide AC input voltage range and comprehensive protection features, the 24W SMPS series is ideal for continuous operation in demanding environments.

Salient Features:

- Input 100V to 280V AC operating range
- Input 140V to 390V DC operating range
- 3-line input present LED indication
- Output short circuit, over-load, over-voltage protection
- High reliability for 24x7 operation
- Suitable for enclosed and ventilated systems
- Leading supplier for major OE manufactures.
- All our products come with a 1-year warranty against all manufacturing defects

Ordering Code:

KROF-24-XX

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1	COMPANY'S NAME & Open Frame
2	BATTERY BACK-UP
3	RATED OUTPUT POWER

SPECIFICATIONS:

MODEL		KROF-15-5	KROF-24-12	KROF-24-24
OUTPUT	DC Voltage	5V	12V	24V
	Load Current	3A	2A	1A
	Rated Power	15W	24W	24W
	Ripple & Noise	50mVp-p	120mVp-p	230mVp-p
	Line Regulation	$\pm 1\%$		
	Load Regulation	<1% (230-415V AC)		
	Setup, Rise Time	-		
	Hold Up Time (Typ.)	-		
INPUT	Voltage Range	100VAC to 500VAC		
	Frequency Range	47 - 63Hz		
	Efficiency (Typ.)	>80 %		
	AC Current (Typ.)	0.1A/415VAC		
	Leakage Current	<3.5mA/ 415VAC		
PROTECTION	Overload	YES		
	Short Circuit	YES		
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	BIS	IS13252(part 1) : 2010/IEC60950-1:2005		
	Number	R-72014567		

	EMC Emission	pending
	EMC Immunity	Pending
	Dimension	80x40x20mm (L"W"H)

MECHANICAL DRAWING:

