



## 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**

↓      ↓      ↓

**1      2      3**

<b>1</b>	COMPANY'S NAME & Open Frame
<b>2</b>	BATTERY BACK-UP
<b>3</b>	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		± 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:

