BATTERY BACK-UP SMPS 100W

KR3P-BB-100-XX

The KR3P-BB-100 series is one of KRIPOWER's enclosed Battery Back-up power supplies. It functions from a wide AC input range and at the same time accepts Battery input dc voltage. When ON mains, it delivers around 80 Watts of power to the load, and also keeps the battery in fully charged conditions using constant current charging of **1.5** Amps. Upon failure of mains the battery is automatically connected to the load in Zero transfer time. The unit prevents the battery from deep discharge by automatically disconnecting the battery from load if the battery voltage falls below the deep discharge level. The unit comes with a host of protection features like overload, short circuit, input under voltage, Battery reverse polarity, etc. making it a totally full proof system.

Salient Features:

- Input 200V to 500V AC operating range (3 phase 4 wire / 3 wire Input Support)
- Input 280V to 700V DC operating range
- 3-line input present LED indication
- Can provide continuous Power of 100Watts at +60˚C ambient.
- Low Standby Power Consumption and High Efficiency
- Input under voltage protections (160VAC)
- Output short circuit, over-load, over-voltage protection
- Can be mounted both Vertically and Horizontally with Panel Mount.
- Leading supplier for major OE manufactures.
- All our products come with a 1-year warranty against all manufacturing defects

Ordering Code:

KR3P-BB-100-XX

1 2 3 4

1	COMPANY'S NAME & 3Phase input
2	BATTERY BACK-UP
3	RATED OUTPUT POWER
4	RATED OUTPUT VOLTAGE

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

sales@kripower.com
Mob: 9825848477, 9099855172
www.kripower.com

SPECIFICATIONS:

MODEL		KR3P-BB-100-12	KR3P-BB-100-24
OUTPUT	DC Voltage	13.8V	27.6V
	Load Current	6A	3A
	Battery charging current	1.5A	1.5A
	Rated Power	100W	100W
	Ripple & Noise	120mVp-p	230mVp-p
	Line Regulation	± 1%	
	Load Regulation	<1% (230-415V AC)	
	Setup, Rise Time	1000ms, 90ms/415VAC 2000ms, 90ms/230VAC at full load	
	Hold Up Time (Typ.)	20 msec at 415VAC	
INPUT	Voltage Range	200VAC to 500VAC	
	Frequency Range	47 - 63Hz	
	Efficiency (Typ.)	>80 %	
	AC Current (Typ.)	0.9A/415VAC	
	Inrush Current (Typ.)	35A at 415VAC	
	Leakage Current	<3.5mA/ 415VAC	
PROTECTION	Overload	Shutdown type unit restarts after recycling the mains	
	Overvoltage	Protection type: Shut down o/p voltage, re-power on to recover	
	Battery Low (Load disconnect)	10V ± 0.8V	19.5V ± 1V
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	

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	EMC Emission	pending
	EMC Immunity	Pending
	Dimension	130"100"40mm (L"W"H)

MECHANICAL DRAWING:

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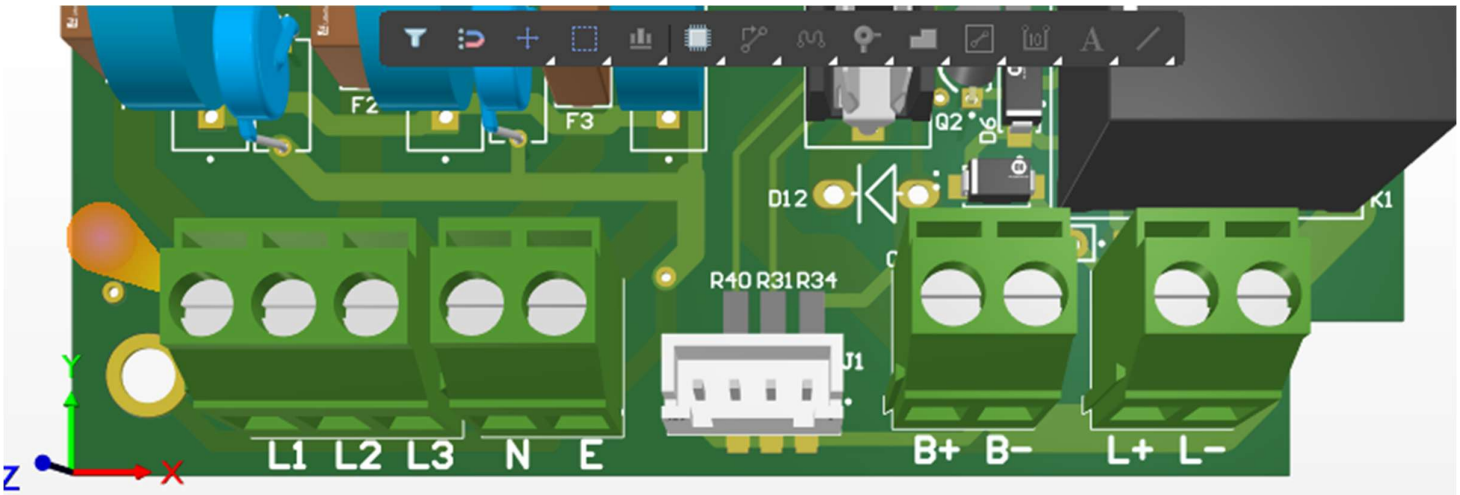
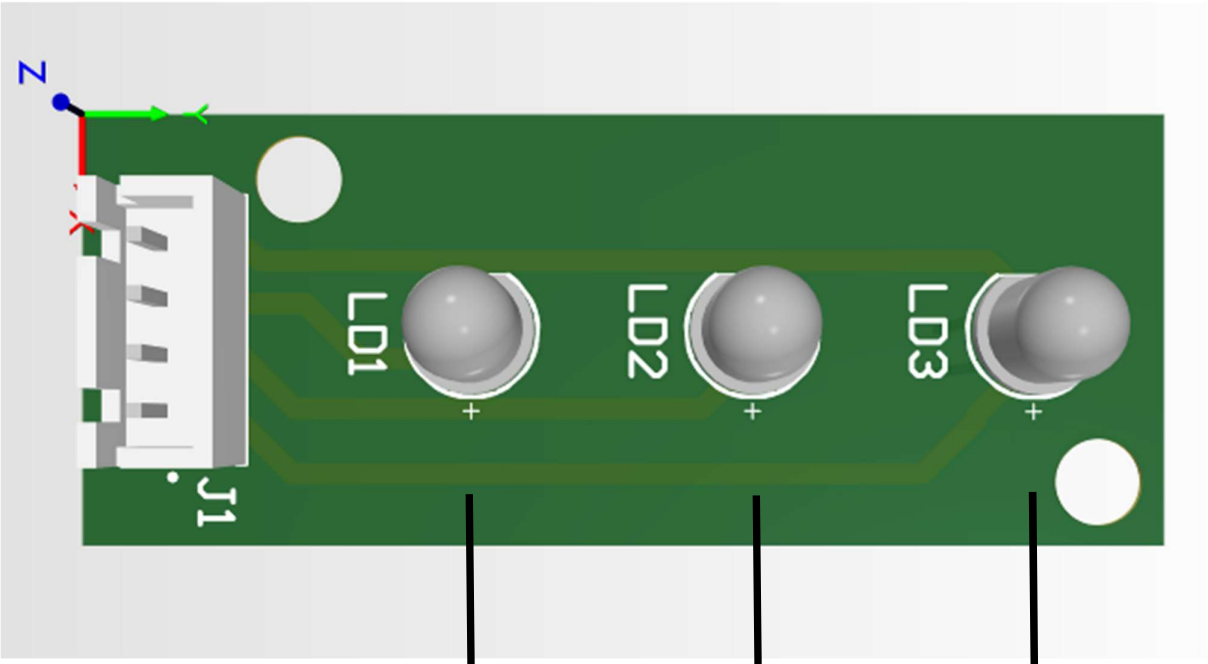


INDICATION PCB:



BATTERY CHARGING

AC MAINS INDICATION

DC OK

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ON BOARD LED INDICATION LOGIC:

	• Input AC Mains available RED LED - ON • **Battery Charging** - Not at Float voltage Blue LED - ON • DC output coming at LOAD from Mains GREEN LED - ON
	• Input AC Mains Not available RED LED - OFF • Battery Discharging – **LOAD Running ON BATTERY** Blue LED - ON • DC output coming at LOAD from Battery GREEN LED - ON
	• Input AC Mains available RED LED - ON • Battery On Float Voltage – **Battery Full** Blue LED - OFF • DC output coming at LOAD from Mains GREEN LED - ON
	• Input AC Mains Not available RED LED - OFF • **Battery Disconnected** from LOAD Blue LED - ON • **DC output not coming** at LOAD GREEN LED - OFF

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