

POWER SOURCE



**3 YEAR
WARRANTY**

100W Non Dimmable LED Driver

Features of the: BNV-100 Series



Constant
Voltage
Output



AC Input Range:
220-240VAC



Protections:
• Short Circuit
• Over Load
• Over Voltage
• Over Temperature



Class II Power
Supply



IP20 Design
For Indoor
Installation



Cooling
by Free Air
Convection



Factory
Fitted Flex
and Plug



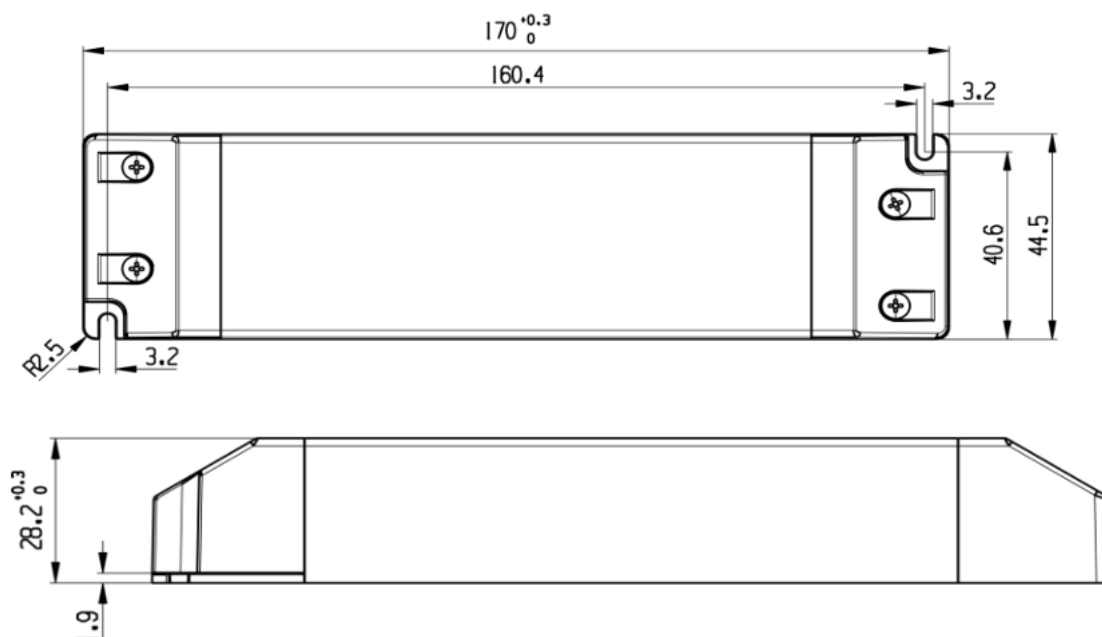
Do not cover



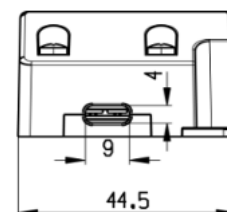
SELV

Model		BNV-100-12	BNV-100-24
Output	DC voltage	12V	24V
	Voltage tolerance	±5%	
	Rated current	8.3A	4.17A
	Rated power	100W	
Input	Voltage range	200-240VAC	
	Frequency range	47/63HZ	
	Power factor	PF≥0.97@230VAC (Full Load)	
	Full load efficiency (Typ.)	90%	91%
	AC current (Max.)	0.6A	
	Leakage current	0.7mA	
	Inrush current	Cold Start <60A at 230 VAC / 50Hz	
Protection	Short Circuit	Hiccup mode, reset automatically after fault correction. ≤0.5W	
	Over load	Hiccup mode, reset automatically after fault correction. Exceed maximum rate load times 1.1~1.6	
	Over Voltage	1.5 times of rated output voltage	
	Over Temperature	IC detect TC = 110°C	
Environment	Working TEMP.	-20°C~+45°C (refer to derating curve)	
	Working humidity	10-90%RH	
	Storage TEMP, humidity	-40°C~+85°C, 5-95%RH	
Safety & EMC	Safety standards	AS/NZS 61347.2.13	
	Withstand voltage	I/P-O/P: 3.75KVAC / 5mA. Max /60s	
	Isolation resistance	I/P-O/P: ≥10MΩ/500VDC/25°C	
	EMC emissions (Note 3.)	EN IEC 61000-3-2, Class C. EN55015	
Others	Net weight	0.25kg	
	Size	170*44.5*28.2mm (L*W*H)	
Notes	1. All the parameters are measured at 230VAC input, full load and 25°C of ambient temperature if they are not specially measured. 2. The power supply is considered as a component that is operated in combination with final equipment. EMC performance could be affected by the complete installation. Original equipment manufacturers may need to conduct additional EMC testing and certification on the final equipment. 3. Recommended loading range from 10% to 100%. 4. Specifications are subject to change without prior notice. Contact ADM to confirm any critical parameters.		

Mechanical Specification

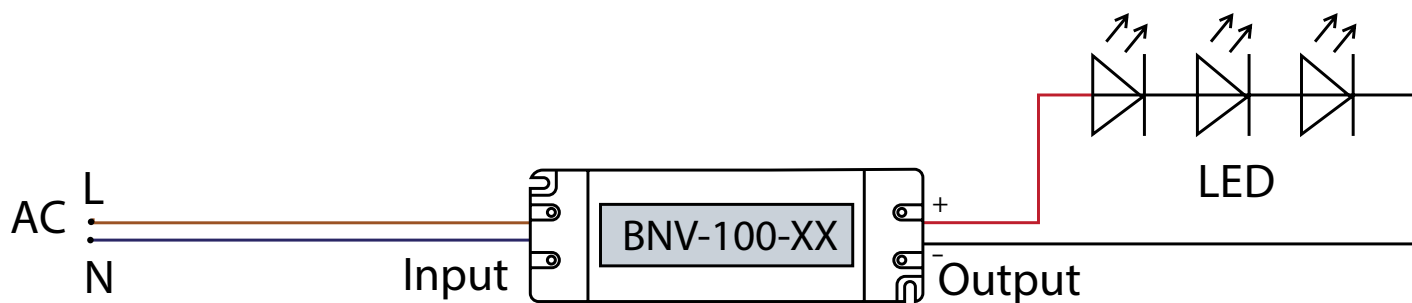


- Connect LED to LED driver via screw terminals under removable cover. Positive (LED+), Negative (LED-).
- Incorrect wiring could result in damage to the power supply, which is not covered by the warranty.
- Contact ADM with specific input, or output configuration requests.

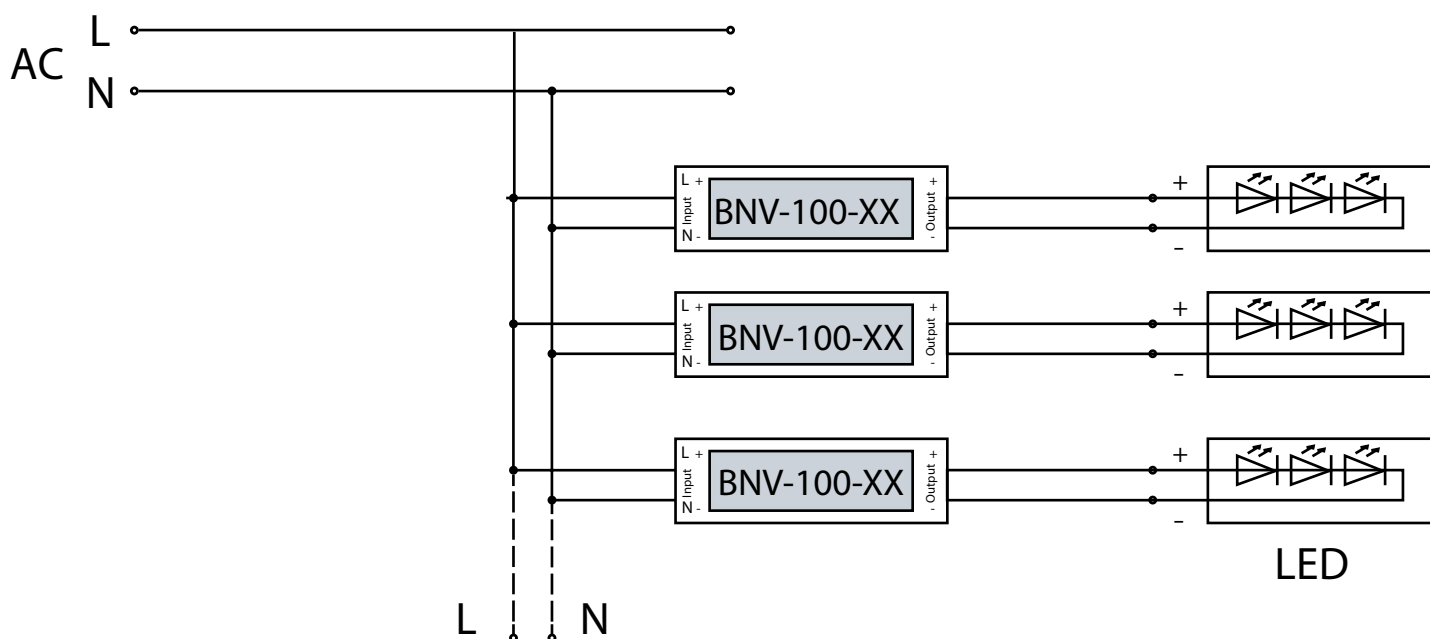


Connection Diagram

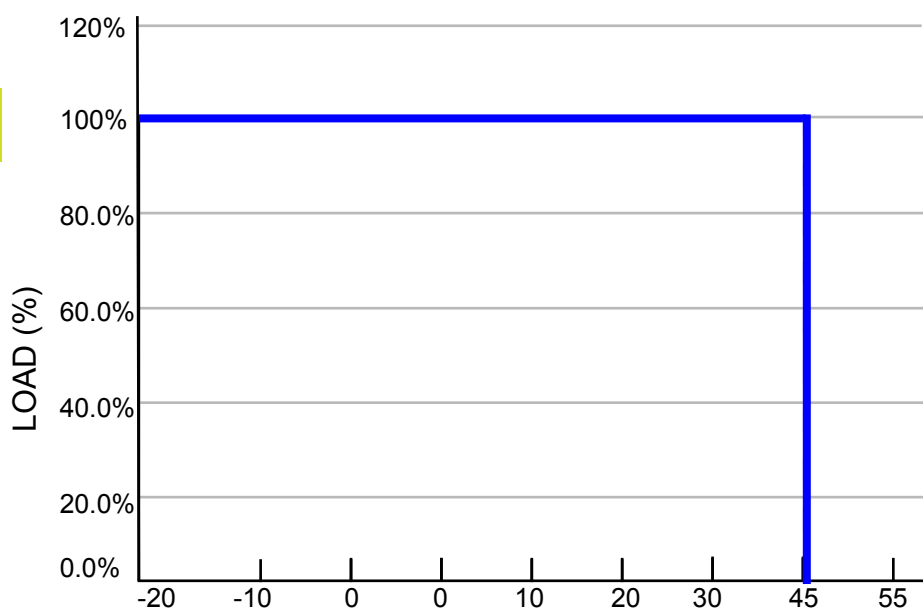
Single Driver Connection Diagram



Multiple Driver Connection Diagram



De-rating Curve



- If being used in higher ambient temperatures, ensure the load on the LED driver is de-rated in accordance with this chart. Failure to do so could lead to a failure, which is not covered by the warranty



Instruction:

- 1) This LED driver should be installed by a qualified electrician.
- 2) Please make sure the LED driver is installed with adequate ventilation around it to allow for heat dissipation.
- 3) Ensure that all wiring is correct before testing in order to avoid damage to the LED driver, or the LEDs.