



Features:

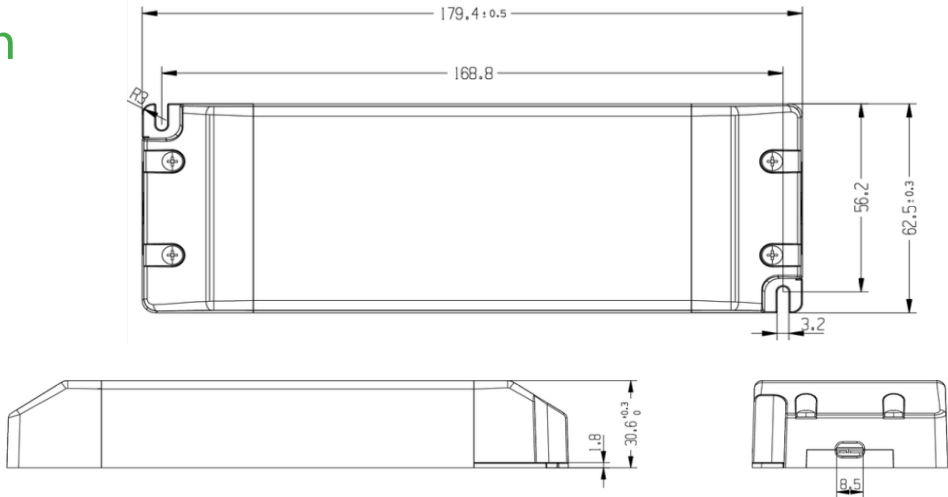
- Constant Voltage output
- AC Input Range: 220~240VAC
- Protections: Short Circuit/Over Load/Over Voltage/Over temperature
- Class II Power Supply
- IP20 Design for indoor installation
- Cooling by Free Air convection
- Factory fitted flex and AU Plug
- 3 year warranty



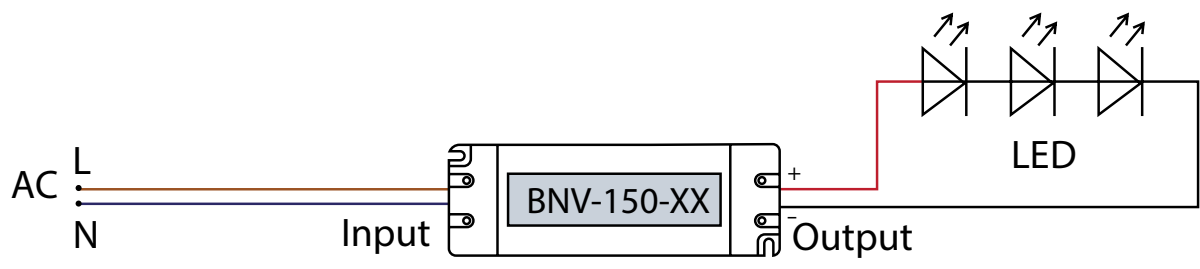
Model		BNV-150-12	BNV-150-24
Output	DC voltage	12V	24V
	Voltage tolerance	±5%	
	Rated current	11A	6.25A
	Rated power	150W	
Input	Voltage range	220-240VAC	
	Frequency range	47-63Hz	
	Power factor	PF≤0.95@230VAC (Full load)	
	Full load efficiency (Typ.)	90%	92%
	AC current (Max.)	0.9A	
	Leakage current	Max 0.7mA 240VAC/60Hz Full load	
	Inrush current	Cold start <65A at 230VAC / 50Hz	
Protection	Short Circuit	Hiccup mode - reset automatically after fault correction.	
	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, humidity	-20~+45°C (refer to derating curve)	
	Storage TEMP, humidity	10-90% RH	
Safety & EMC	Safety Standards	AS/NZS 61347-1	
	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, EN55015	
Other	Net. weight	0.7kg	
	Size	179.4*62.5*30.6mm (L*W*H)	
Notes	<div>1. All the parameters are measured at 230VAC input, full load and 25°C of ambient temperature if they are not specially measured.</div> <div>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.</div> <div>3. Recommended loading range from 10% to 100%.</div> <div>4. Specifications are subject to change without prior notice. Contact ADM to confirm any critical parameters.</div>		

Mechanical Specification

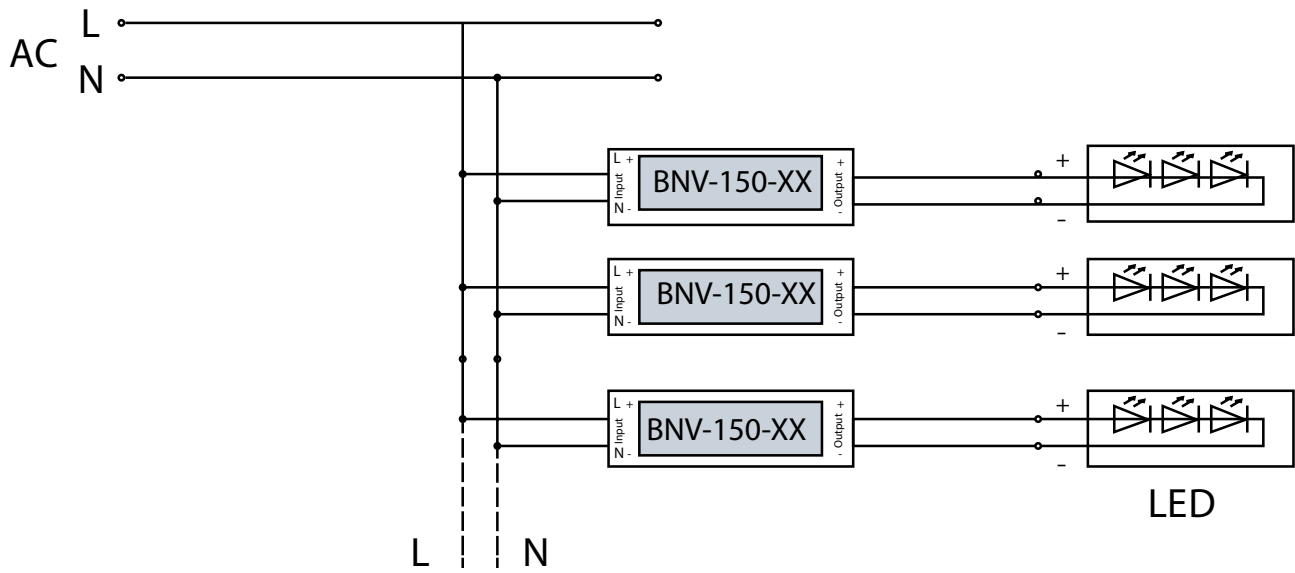
- Connect LED to LED driver via screw terminals under removable cover. Positive (LED+), Negative (LED-).
- Incorrect wiring could result in damage to the power supply, which is not covered by the warranty.
- Contact ADM with specific input, or output configuration requests.



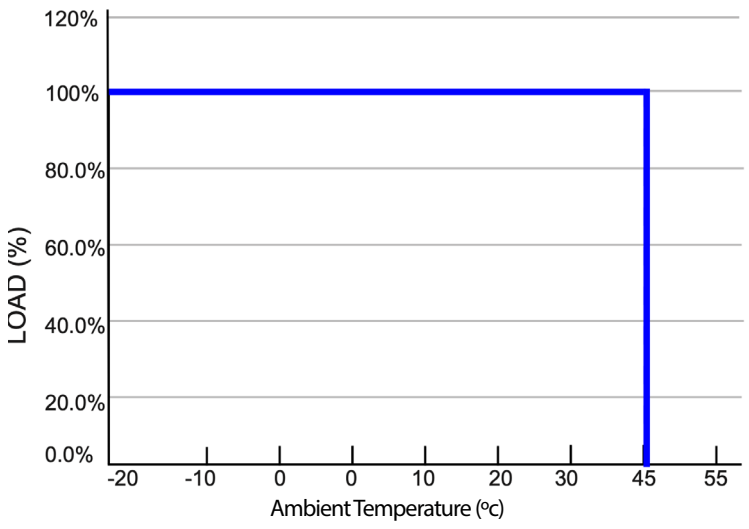
Single Drivers Connection Diagram



Multiple Drivers 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.