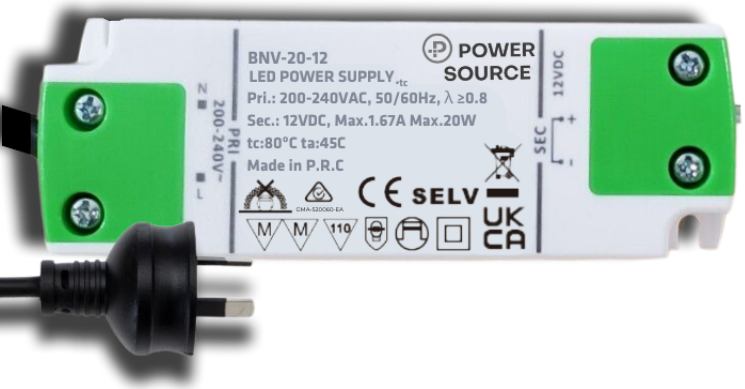
POWER SOURCE

Non Dimmable LED Driver

BNV-20 series



Features:

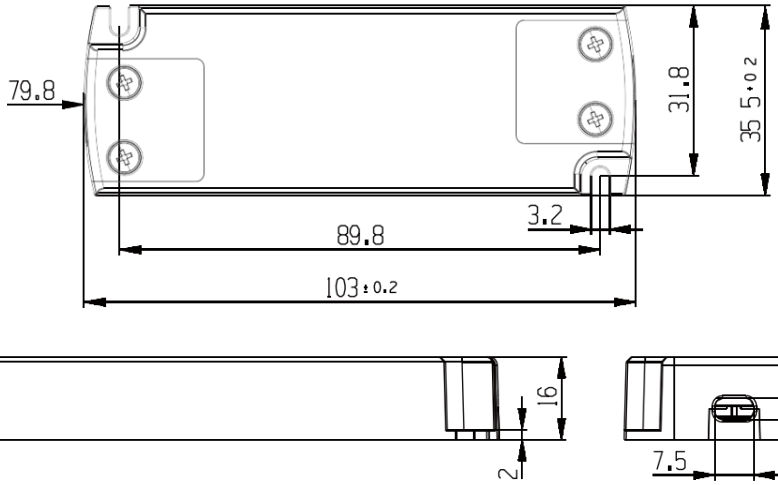
- Constant Voltage output
- AC Input Range: 180~264VAC
- Protections: Short Circuit/Over Load/Over Voltage/ Over temperature
- Class II Power Supply
- IP20 Design for indoor installation
- Cooling by Free Air convection
- Factory fitted flex and AU Plug
- 3 year warranty

IP20 SELV

Model		BNV-20-12	BNV-20-24
Output	DC voltage	12V	24V
	Voltage tolerance	±5%	
	Rated current	1.67A	0.83A
	Rated power	20W	
Input	Voltage range	180-264VAC	
	Frequency range	47-63Hz	
	Power factor	PF ≥ 0.65 (50% load) 0.8 (100% load)	
	Full load efficiency (Typ.)	83%	85%
	AC current (Max.)	0.47A	
	Leakage current	0.7mA	
	Inrush current	Cold start 60A at 230VAC	
Protection	Short Circuit	≤0.4W - Hiccup mode, auto-recovery after short circuit removed	
	Over Load	1.4 times rated load. Auto-recovery after overload removed	
	Over Voltage	1.5 times of rated output voltage. Cycle power to recover	
	Over Temperature	IC detect TC = 115°	
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	0.18kg	
	Size	103*35.5*16mm (L*W*H)	
Notes	1. All parameters NOT specially mentioned are measured at 230VAC input at rated load and 25°C of ambient temperature, testing and certification on the final equipment. 2. Recommended loading range from 10% to 100%. 3. 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.



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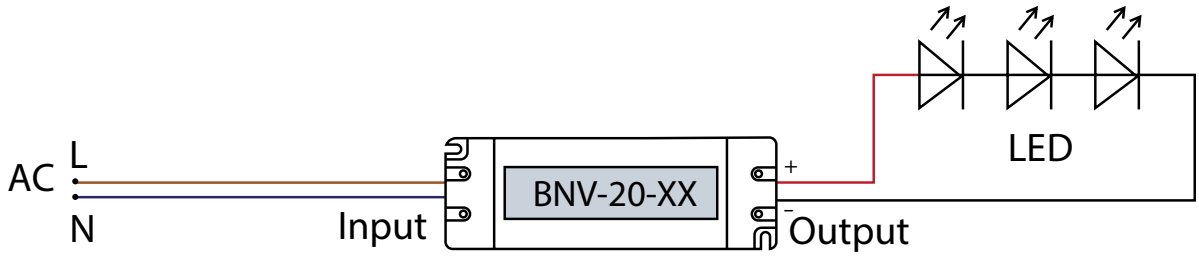
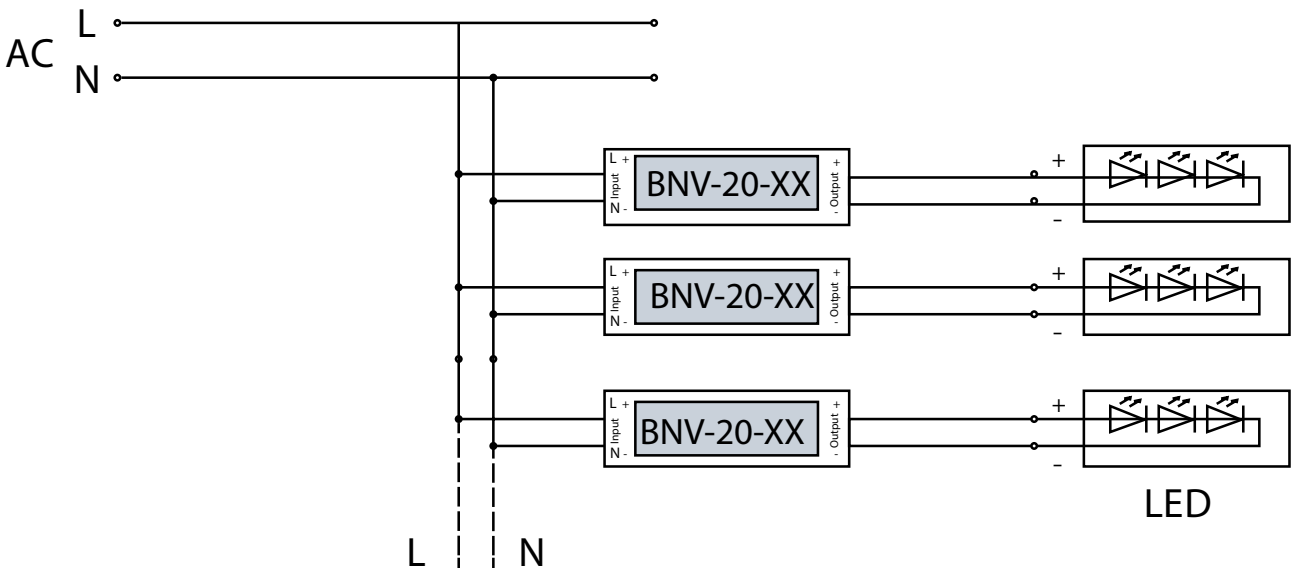
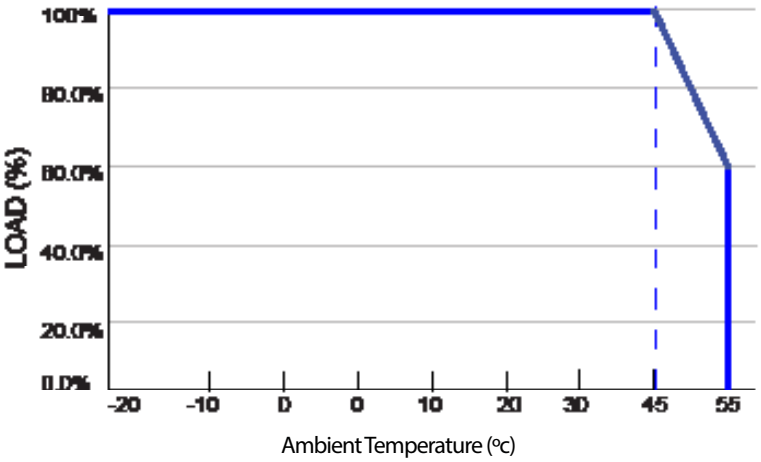
Single Drivers Connection Diagram



Multiple Drivers Connection Diagram



De-rating Curve



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.

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