



**Features:**

- Constant Voltage PWM Output
- AC Input Range: 200~240VAC with PFC
- Mains AC Phase Triac Dimmable LED Driver
- Protections: Short Circuit/Over Load/Over Current/Over temperature
- Class II Power Supply
- IP20 Design for indoor installation
- Cooling by Free Air convection
- Compatible with most Leading and Trailing edge dimmers
- Factory fitted flex and AU Plug
- 5 year warranty

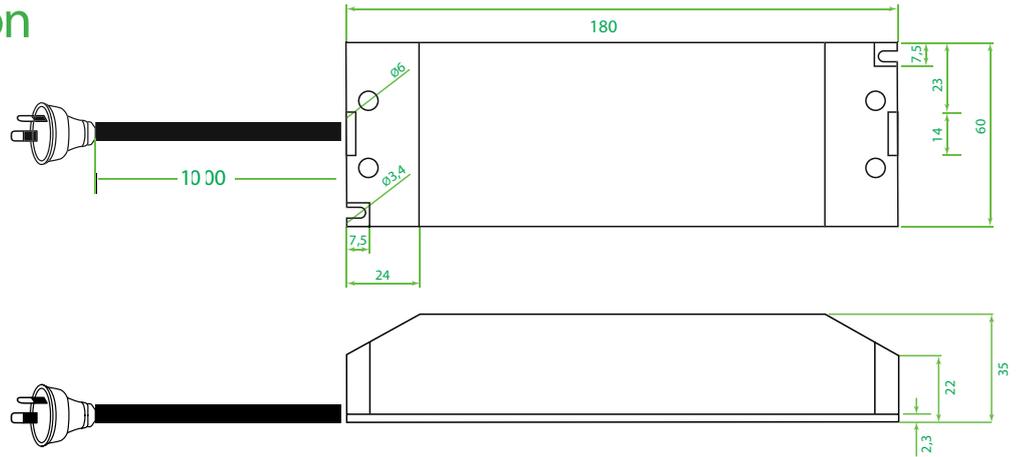
Model		PDV-75-12	PDV-75-24	
Output	DC Voltage (V)	12V	24V	
	Voltage Tolerance	±0.5V (See Note 2.)		
	Rated Current	6.25A	3.125A	
	Rated Power	75W		
Input	Voltage Range	200~240VAC		
	Frequency Range	47~63Hz		
	Power Factor	PF≥0.98/200VAC	PF≥0.98/230VAC	PF≥0.98/240VAC (Full loading)
	Full load efficiency (Typ.)	85%		
	AC Current (Max.)	0.55A		
	Leakage current	<0.50mA		
	Inrush Current	(Typ.): Cold Start 68A (twidh=130us measured at 50% Ipeak) at 230VAC		
	MAX. No. of drivers on 16A Circuit breaker	4 units (circuit breaker of type B) / 7 units (circuit breaker of type C) at 230VAC		
Protection	Short circuit	Shut down o/p voltage, re-power on to recover after fault condition is removed		
	Over loading (Note 4.)	≤120%: Hiccup mode recovers automatically after fault condition is removed		
	Over current	≤1.2 *Iout		
	Over temperature	100°C± 10°C shut down o/p voltage, re-power on to recover		
Environment	Working TEMP.	-40~+70°C (refer to de-rating curve)		
	Working humidity	20-90%RH, non-condensing		
	Storage TEMP., humidity	-40~+80°C,10-95%RH		
	TEMP. coefficient	±0.03%/°C (0-50°C)		
	Vibration	10-500Hz, 2G 10min./1 cycle, period for 72min, each along X, Y, Z axes		
Safety & EMC	Safety standards	EN61347-1 EN61347-2-13		
	Withstand voltage	I/P-O/P: 3.75KVAC		
	Isolation resistance	I/P-O/P: 100MΩ/500VDC/25°C/70%RH		
	EMC emissions (Note 3.)	EN55015, EN61000-3-2,3 (≥60%loading)		
Others	Net. weight	0.6KG		
	Size	180*60*35mm (L*W*H)		
	Packing	355*215*215mm outside carton 20PCS/CTN		
Notes	<ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>2. Tolerance: Includes set up tolerance and load regulation.</li> <li>3. 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.</li> <li>4. Loading range from 10% to 100%</li> <li>5. Specifications are subject to change without prior notice. Contact ADM Systems to confirm any critical parameters.</li> </ol>			

**Dimming**

- Dimming is with installing a leading edge, or trailing edge dimmer across the AC input.
- Compatible with most leading edge and trailing edge dimmers. Australian compatibility table available on request.
- It is recommended that a dimmer, with a power rating three times higher than that of the rated output of the LED driver is used.

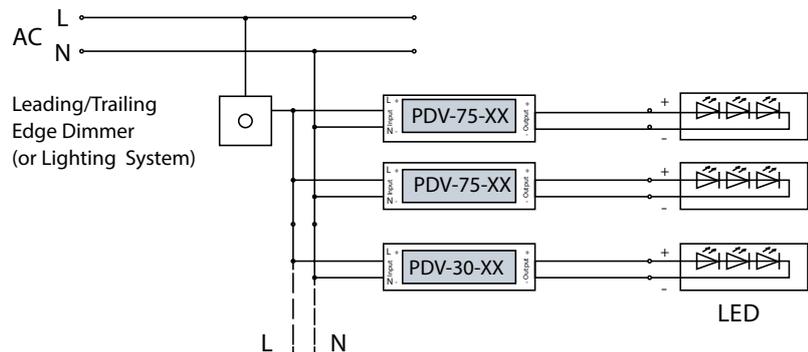
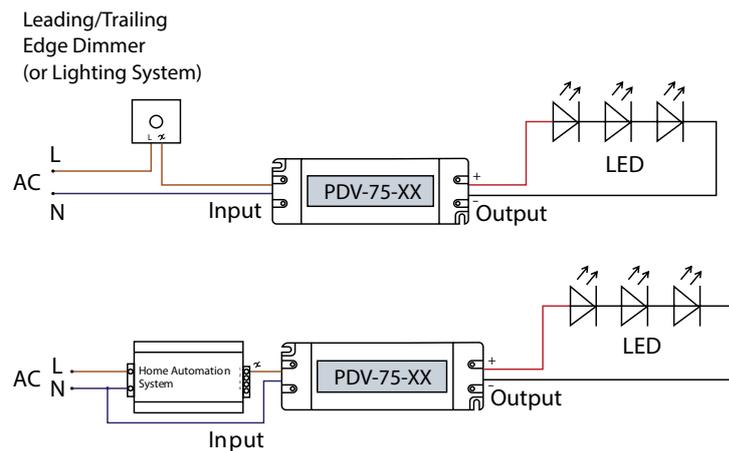
## Mechanical Specification

- Connect LED to LED driver via screw terminals under removable cover. Positive (LED+), Negative (LED-).
- Suggested output wire diameter: 0.5-2.5mm<sup>2</sup>.
- Incorrect wiring could result in damage to the power supply, which is not covered by the warranty.
- Contact your supplier with specific input, or output configuration requests.

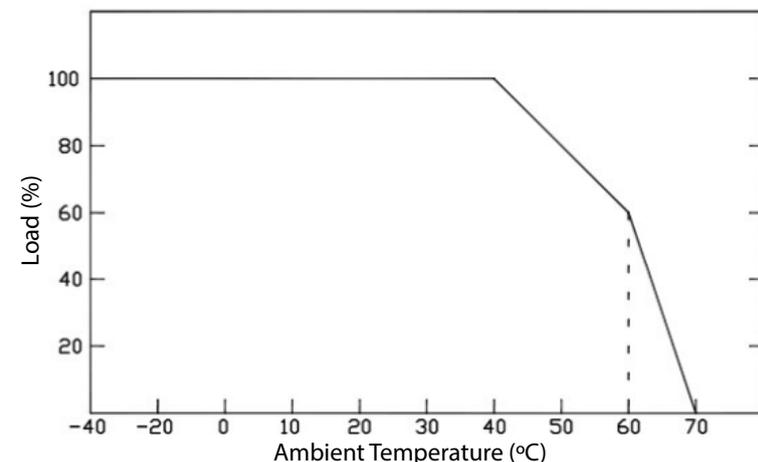


## Single Driver Connection Diagram

## 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 premature failure, which is not covered by the warranty.

- 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.