



**5 YEAR
WARRANTY**

300W

Phase Cut Dimmable LED Driver with PWM Output

Features of the: PDV-300 Series



Constant
Voltage PWM
Output



AC Input Range:
200-240VAC
with PFC



Protections:
• Short Circuit
• Over Load
• Over Temperature



Class I
Power Supply



IP66 Design
For Outdoor
Installation



Cooling by
Free Air
Convection



Factory
Fitted Flex
and Plug



Compatible
with Most
Leading and
Trailing Edge
Dimmers

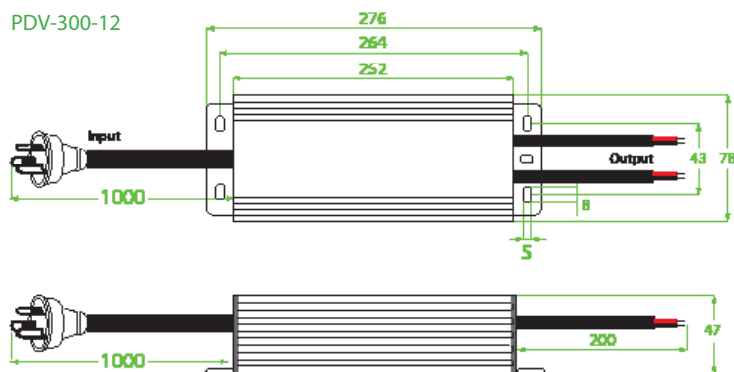
    IP66 SELV

Model		PDV-300-12	PDV-300-24	PDV-300-48
Output	DC voltage	12V	24V	48V
	Voltage tolerance	±0.5V (see Note 2.)		
	Voltage Regulation	±5%		
	Rated current	25A	12.5A	6.25A
	Rated power	300W		
Input	Voltage range	200-240VAC		
	Frequency range	50HZ		
	Power factor	PF≥0.97/230VAC		
	Full load efficiency (Typ.)	90%	91%	91%
	AC current (Max.)	1.7A	1.64A	1.7A
	Leakage current	<0.50mA		
	Inrush current	122A, 47us@50% Ipeak 230VAC	110A, 52us@50% Ipeak 230VAC	122A, 46us@50% Ipeak 230VAC
Protection	MAX. No. of drivers on 16A Circuit breaker	1 unit (circuit breaker of type B) / 2 units (circuit breaker of type C) at 230VAC		
	Short circuit	Hiccup mode, re-power on to recover after fault condition removed		
	Over loading (Note 4.)	≤120% Hiccup mode, recovers automatically after fault condition is removed		
Environment	Over temperature	Shell surface temp.100°C±10°C shut down o/p voltage,automatically recover after the temperatur drop		
	Working TEMP.	-40~+60°C (refer to de-rating curve)		
	Working humidity	20~95%RH, non-condensing		
	Storage TEMP, humidity	-40~+80°C,10-95%RH		
	TEMP. coefficient	±0.03%/°C (0~50°C)		
Safety & EMC	Vibration	10-500Hz, 5G 12min./1 cycle, period for 72min, each along X, Y, Z axes		
	Safety standards	EN61347-1 EN61347-2-13		
	Withstand voltage	I/P-O/P:3.75KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC		
	Isolation resistance	I/P-O/P :100MΩ / 500VDC / 25°C / 70%RH		
	EMC emissions (Note 3.)	EN55015, EN61000-3-2,3		
Others	EMC immunity	EN61000-4-2,3,4,5,6 ,11, EN61547		
	Net. weight	1.67kg		
	Size	276*78*47mm(L*W*H)		
	Packing	336*121*61mm inner box, 350*310*260mm outside carton 10PCS /CTN		
Notes		<ol style="list-style-type: none"> 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Tolerance: Includes set up tolerance, line regulation and load regulation. 3. The LED driver is considered as a component that is operated in conjunction 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. 4. Loading range from 10% to 100%. 5. Specifications are subject to change without prior notice. Contact your supplier to confirm any critical parameters. 		

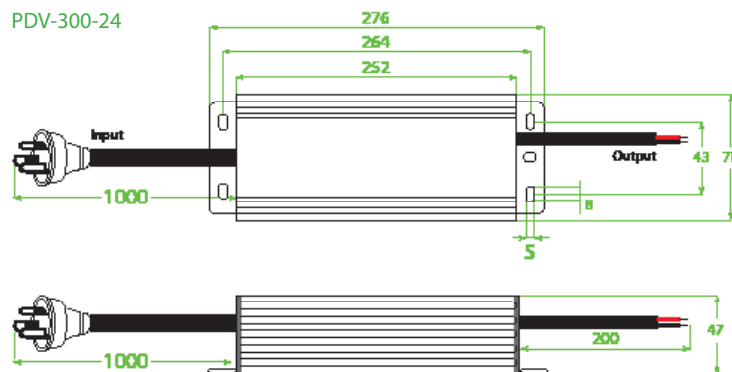
Dimming Operation

- 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.

PDV-300-12



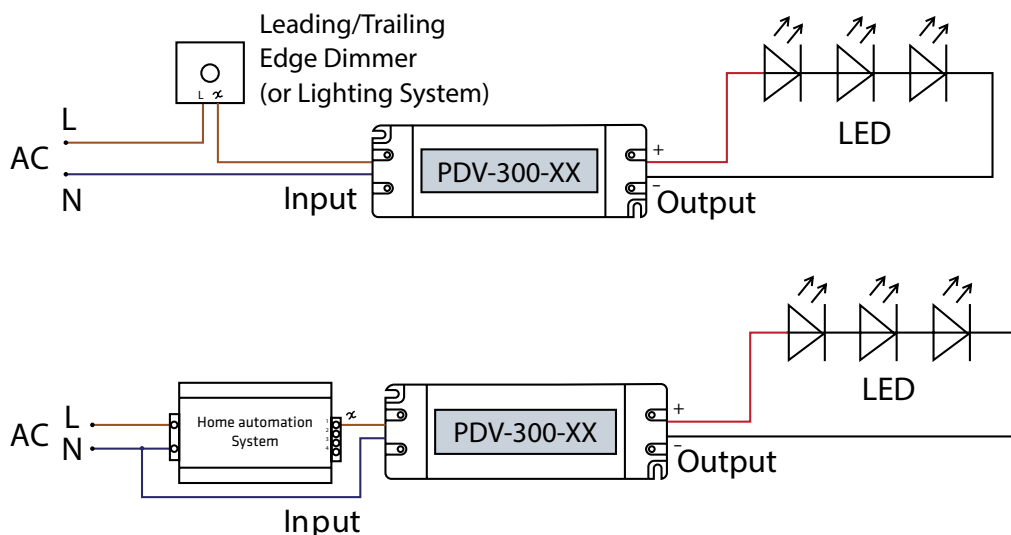
PDV-300-24



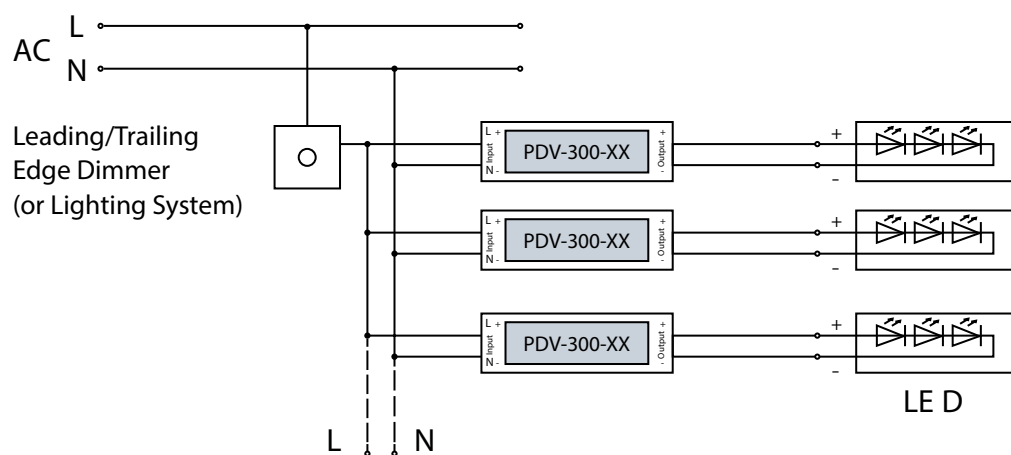
Mechanical Specification

- Output cable type: Rubber SJTW 14AWG 2*2.08mm²
- Connect LED to LED driver via the output cable: Red output(V+) Positive, Black output (V-) negative.
- Incorrect wiring could result in damage to the LED driver, which is not covered by the warranty.
- Contact your supplier with specific input, or output configuration request.
- Rubber cable SJTW 14AWG 2*2.08mm²).

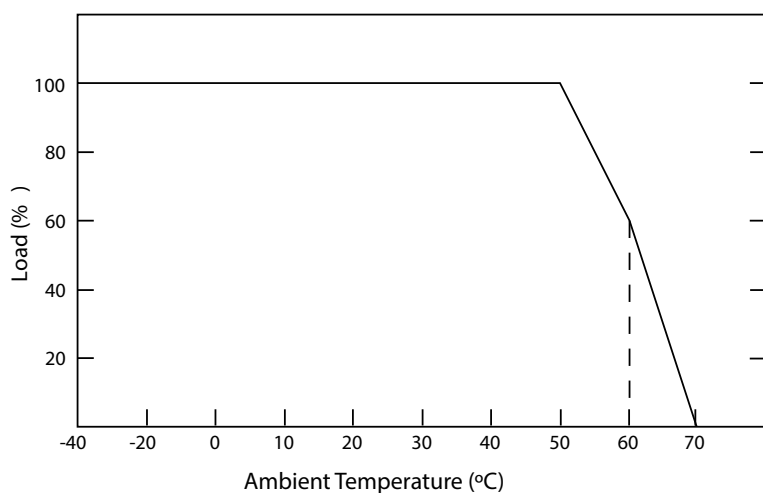
Single Driver Connection Diagram



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.

Important

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

