



IS 15885(Part 2/Sec13)

8 R-41027766



Features

- Constant Voltage PWM style output with frequency 1KHz
- Plastic housing with class II design
- Built-in active PFC function
- No load power consumption<0.5W(Blank-Type)
- IP67 rating for indoor or outdoor installations
- Function options: 2 in 1 dimming (dim-to-off); Auxiliary DC output
- 3 years warranty

Description

ODLV-65 series is a 65W AC/DC LED driver featuring the constant voltage mode PWM style design. ODLV-65 operates from 180~295VAC and offers models with different rated voltage ranging between 12V and 60V. Thanks to the high efficiency up to 90%, with the fanless design, the entire series is able to operate for $-20^{\circ}C + 85^{\circ}C$ case temperature under free convection. The design of plastic housing and IP67 ingress protection level allows this series to fit indoor wet applications. ODLV-65 is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for lighting system.



Туре	Function	Note
Blank	2 in 1 dimming (0~10VDC and 10V PWM)	In Stock
A	2 in 1 dimming and Auxiliary DC output	In Stock

Applications

- LED strip lighting
- Indoor LED lighting
- LED decorative lighting
- LED architecture lighting



SPECIFICATION

MODEL		ODLV-65 -12	ODLV-65□-24	ODLV-6536	ODLV-65-48	ODLV-65-60	
	DC VOLTAGE	12V	24V	36V	48V	60V	
	RATED CURRENT	4.2A	2.4A	1.8A	1.35A	1.08A	
	RATED POWER	50.4W	57.6W	64.8W	64.8W	64.8W	
	DIMMING RANGE	0~100%	1				
OUTPUT	VOLTAGE TOLERANCE	±10%					
	PWM FREQUENCY (Typ.)	1KHz(±20%)					
	SETUP TIME Note.3	500ms / 230VAC					
	AUXILIARY DC OUTPUT Note.4	Nominal 12V(deviation 11.4~12.6)@50mA for A-Type only					
INPUT	VOLTAGE RANGE Note.2	180 ~ 295VAC (Please refer to "STATIC CHARACTERISTIC" section)					
	FREQUENCY RANGE	47 ~ 63Hz					
	POWER FACTOR (Typ.)	PF>0.95/230VAC, PF>0.9/277VAC@full load (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)					
	TOTAL HARMONIC DISTORTION	THD< 20%(@load≧60%/230VAC; @load≧75%/277VAC) (Please refer to "TOTAL HARMONIC DISTORTION" section)					
	EFFICIENCY (Typ.)	85%	87%	88%	89%	90%	
	AC CURRENT (Typ.)	0.4A/230VAC 0.3	3A/277VAC				
	INRUSH CURRENT(Typ.)	COLD START 30A(twidth=270µs measured at 50% Ipeak) at 230VAC; Per NEMA 410					
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	32 units (circuit breaker of type B) / 32 units (circuit breaker of type C) at 230VAC					
	LEAKAGE CURRENT	<0.75mA / 277VAC					
	NO LOAD POWER CONSUMPTION	<0.5W for Blank-Type, <1.2W for A-Type					
PROTECTION	SHORT CIRCUIT	Shut down O/P voltage, re-power on to recovery					
		105 ~ 115%					
	OVER CURRENT	Protection type : Hiccup mode, recovers automatically after fault condition is removed					
ENVIRONMENT	WORKING TEMP.	Tcase=-20 ~ +85°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)					
	MAX. CASE TEMP.	Tcase=+85°C					
	WORKING HUMIDITY	20 ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY						
	TEMP. COEFFICIENT	±0.03%/C (0~45°C)					
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes					
	SAFETY STANDARDS	UL8750(type"HL"), CSA C22.2 NO.250.13-12;ENEC BS EN/EN61347-1 & BS EN/EN61347-2-13 independent BS EN/EN62384,GB19510.1,GB19510.14; BIS IS15885(for ODLV-65-12,24,48 only), EAC TP TC 004,IP67 approved					
AFETY &	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC					
MC	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH					
	EMC EMISSION	Compliance to BS EN/EN55015, BS EN/EN61000-3-2 Class C (@load ≥ 60%) ; BS EN/EN61000-3-3,GB17743, GB17625.1,EAC TP TC 020					
	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11; BS EN/EN61547, light industry level(surge immunity: Line-Line:1KV),EAC TP TC 020					
OTHERS	MTBF	398.7K hrs min. MIL-HDBK-217F (25°C)					
	DIMENSION	121*77*28.5mm (L*W*H)					
	PACKING	0.43Kg;24pcs/11.3Kg	/ 0.74CUFT				
NOTE	 De-rating may be needed u Length of set up time is me Aux. 12V will be damaged u The driver is considered as affected by the complete in: The ambient temperature de For any application note and https://www.meanwell.com/U 	Illy mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. Junder low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details. Pasured at cold first start. Turning ON/OFF the driver may lead to increase of the set up time. With short circuit; It will not be available with dimming off or output no load condition. The a component that will be operated in combination with final equipment. Since EMC performance will be stallation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again. Parating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft). I IP water proof function installation caution, please refer our user manual before using. Jpload/PDF/LED_EN.pdf The The The The The The The The The The					















