





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)
- Function options: 2 in 1 dimming (dim-to-off); Auxiliary DC output
- · 3 years warranty

Description

IDLV-65 series is a 65W AC/DC LED driver featuring the constant voltage mode PWM style output design. IDLV-65 operates from 180 \sim 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°C \sim +85°C case temperature under free air convection. IDLV-65 is equipped with various function options, such as dimming methodologies, so as to provide the design flexibility for LED 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		IDLV-65-12	IDLV-65-24	IDLV-65-36	IDLV-65-48	IDLV-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%	I	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				
	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)				
INPUT	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(twi	idth=270µs measured a	t 50% Ipeak) at 230V/	AC; 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			
	SHORT CIRCUIT	Shut down O/P voltage	e, re-power on to recov	ery		
PROTECTION		105 ~ 115%				
	OVER CURRENT	Protection type : Hiccup mode, recovers automatically after fault condition is removed				
	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-con	densing			
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40~+80°C, 10~95%	6 RH			
	TEMP. COEFFICIENT	±0.03%/°C (0~40°C)				
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes				
	SAFETY STANDARDS	UL8750, CSA C22.2 NO.250.13-12; BS EN/EN/AS/NZS 61347-1 & BS EN/EN/AS/NZS 61347-2-13 independent, BS EN/EN62384, GB19510.1, GB19510.14, BIS IS15885(for IDLV-65-12, 24, 48 only), EAC TP TC 004 approved				
SAFETY &						
EMC	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	130*75*25mm (L*W*H)				
	PACKING	0.23Kg;54pcs/13.5Kg	/ 0.96CUFT			
NOTE	 All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details. Length of set up time is measured at cold first start. Turning ON/OFF the driver may lead to increase of the set up time. Aux. 12V will be damaged with short circuit; It will not be available with dimming off or output no load condition. The driver is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 200m(6500ft). Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx 					















ж А-Туре



NOTE: Please use wires with a cross section of 0.75~1.5mm² for TB1 and wires with a cross section of 0.5~1.5mm² for TB2.

Terminal Pin No. Assignment(TB1)

Pin No.	Assignment	
1	ACL	
2	ACL	
3	ACN	
4	ACN	

Terminal	l Pin No	. Assignm	ent(TB2)
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Pin No.	Assignment	Pin No.	Assignment
1	DIM+	4	Vo-
2	DIM-	5	AUX+
3	Vo+	6	AUX-

■ INSTALLATION MANUAL

Please refer to : http://www.meanwell.com/manual.html