





### 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 ~+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-6536	IDLV-65-48	IDLV-65-60		
OUTPUT	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%						
	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 254 ~ 417VDC (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	0.3A/277VAC					
	INRUSH CURRENT(Typ.)	COLD START 30A(i	COLD START 30A(twidth=270 $\mu$ s measured at 50% lpeak) 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						
	SHORT CIRCUIT	Shut down O/P voltage, re-power on to recovery						
PROTECTION		105 ~ 115% Protection type : Hiccup mode, recovers automatically after fault condition is removed						
	OVER CURRENT							
	WORKING TEMP.	Tcase=-20 ~ +85 $^\circ$ C (Please refer to " OUTPUT LOAD vs TEMPERATURE" section)						
	MAX. CASE TEMP.	Tcase=+85°C						
ENVIRONMENT	WORKING HUMIDITY	20 ~ 90% RH non-condensing						
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% 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; EN/AS/NZS 61347-1 & EN/AS/NZS 61347-2-13 independent, EN62384, GB19510.1,GB19510.14, BIS IS15885(for IDLV-65-12,24,48 only), EAC TP TC 004 approved						
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC						
EMC	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH						
	EMC EMISSION	Compliance to EN55015, EN61000-3-2 Class C (@load ≥ 60%) ; EN61000-3-3,GB17743,GB17625.1, EAC TP TC 020						
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; 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/13.5	(g/ 0.96CUFT					
NOTE	<ul> <li>All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature.</li> <li>De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details.</li> <li>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.</li> <li>Aux. 12V will be damaged with short circuit; It will not be available with dimming off or output no load condition.</li> <li>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.</li> <li>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 2000m(6500ft).</li> </ul>							















※ А-Туре







Terminal Pin No. Assignment(TB1)

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

#### Terminal Pin No. Assignment(TB2)

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