







### Applications

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

#### GTIN CODE

MW Search: <u>https://www.meanwell.com/serviceGTIN.aspx</u>

#### Features

- Constant Voltage PWM style output with frequency 1KHz
- PCB type design
- Built-in active PFC function
- No load power consumption<0.5W
- Function options: 2 in 1 dimming (dim-to-off); Auxiliary DC output
- · 3 years warranty

### Description

IDPV-65 series is a 65W PCB type AC/DC LED driver featuring the constant voltage mode PWM style output design. IDPV-65 operates from  $180 \sim 295$ VAC 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 entireseries is able to operate for  $-20^{\circ}C \sim +40^{\circ}C$  ambient temperature under free air convection. IDPV-65 is equipped with various function options, such as dimming methodologies, so as to provide the design flexibility for LED lighting system.



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



## SPECIFICATION

MODEL		IDPV-65 -12	IDPV-65 -24	IDPV-65-36	IDPV-65 -48	IDPV-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		
ουτρυτ	DIMMING RANGE	0~100%	I	I	I			
	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 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 0.3	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						
	SHORT CIRCUIT	Shut down O/P voltage, re-power on to recovery						
PROTECTION		105 ~ 115%						
	OVER CURRENT	Protection type : Hiccup mode, recovers automatically after fault condition is removed						
	WORKING TEMP.	Ta=-20 ~ +40°C (Please refer to " OUTPUT LOAD vs TEMPERATURE" section)						
	WORKING HUMIDITY	20 ~ 90% RH non-condensing						
ENVIRONMENT	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;ENEC BS EN/EN61347-1 & BS EN/EN61347-2-13 independent, BS EN/EN62384 approved						
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC						
SAFETY &	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH						
EMC	EMC EMISSION	Compliance to BS EN/EN55015, BS EN/EN61000-3-2 Class C (@load≧60%) ; BS EN/EN61000-3-3						
	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						
OTHERS	MTBF	3720.1K hrs min. Telcordia SR-332 (Bellcore) ; 398.8K hrs min. MIL-HDBK-217F (25°C)						
	DIMENSION	130*67.5*22mm (L*W*H)						
	PACKING	0.15Kg;81pcs/13Kg/ 1	.46CUFT					
NOTE	<ol> <li>De-rating may be needed u</li> <li>Length of set up time is me</li> <li>Aux. 12V will be damaged</li> <li>The driver is considered as affected by the complete in</li> </ol>	ters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. hay be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details. et up time is measured at cold first start. Turning ON/OFF the driver may lead to increase of the set up time. ill be damaged with short circuit; It will not be available with dimming off or output no load condition. is considered as a component that will be operated in combination with final equipment. Since EMC performance will be the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again. ability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx						















#### ※ А-Туре



Terminal Pin No. Assignment(TB1)

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

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

<b>3</b> ( )								
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