









### Features

- Wide input range 180 ~ 528VAC
- · Constant Current mode output
- · Metal housing with Class I design
- · Built-in active PFC function
- · IP67 / IP65 design for indoor or outdoor installations
- Function options: output adjustable via potentiometer; 3 in 1 dimming (dim-to-off) ; Timer dimming
- Typical lifetime>50000 hours
- 5 years warranty

### Description

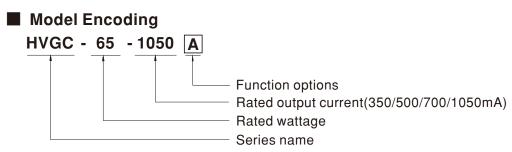
### Applications

- LED street lighting
- LED high-bay lighting
- Parking space lighting
- LED fishing lamp

#### GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx

HVGC-65 series is a 65W LED AC/DC LED power supply featuring the constant current mode and high voltage output. HVGC-65 operates from 180~528VAC and offers models with different rated current ranging between 350mA and 1050mA. Thanks to the high efficiency up to 90.5%, with the fanless design, the entire series is able to operate for  $-40^{\circ}$ C ~  $+80^{\circ}$ C case temperature under free air convection. The design of metal housing and IP67/IP65 ingress protection level allows this series to fit both indoor and outdoor applications. HVGC-65 is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system.



Туре	IP Level	Function	Note
A	IP65	lo adjustable through built-in potentiometer.	In Stock
В	IP67	3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)	In Stock
AB	IP65	Io adjustable through built-in potentiometer & 3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)	In Stock
D	IP67	Timer dimming function, contact MEAN WELL for details(safety pending).	By request

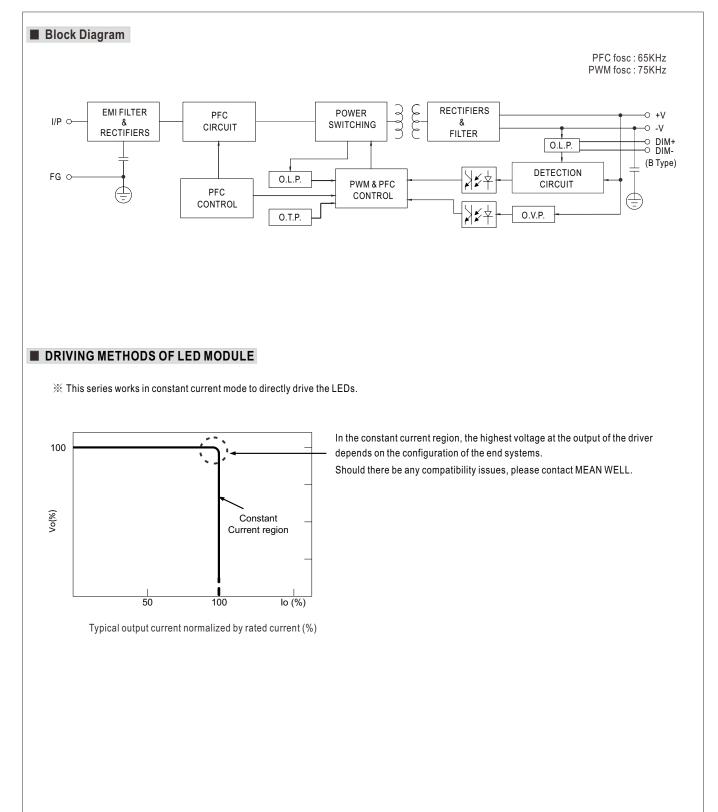
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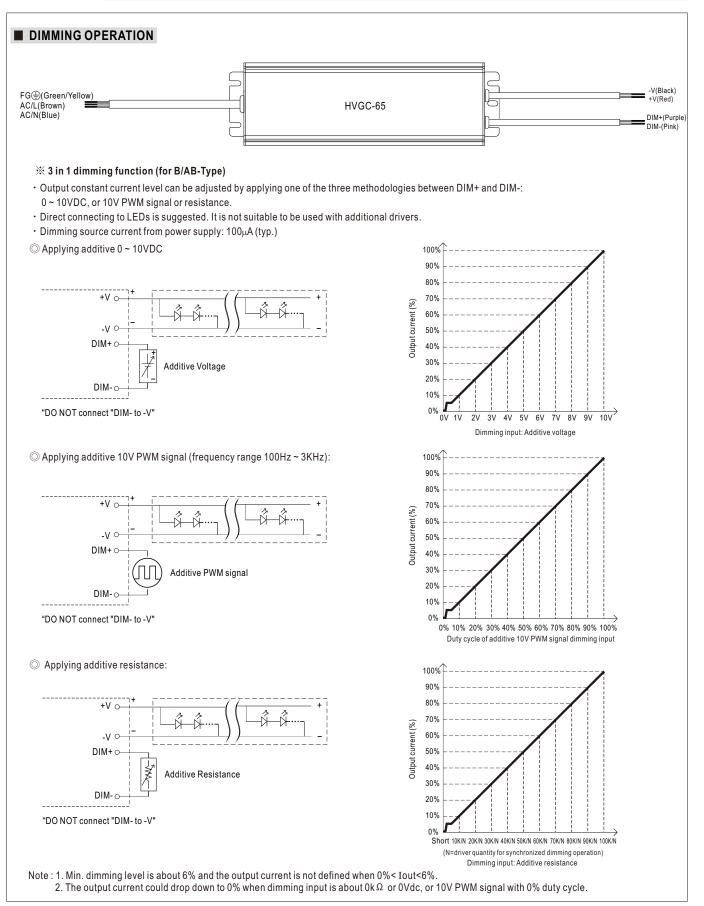
#### SPECIFICATION

MODEL		HVGC-65-350	HVGC-65-500	HVGC-65-700	HVGC-65-1050		
	RATED CURRENT	350mA	500mA	700mA	1050mA		
	RATED POWER	65.1W	65W	65.1W	65.1W		
	CONSTANT CURRENT REGION Note.2		13 ~ 130V	9~93V	6~62V		
OUTPUT	CONSTANT CONNENT REGION NOLE.2	Adjustable for A/AB-Type only (via the built-in potentiometer)					
-	CURRENT ADJ. RANGE				C00 4050mA		
		210 ~ 350mA	300 ~ 500mA	420 ~ 700mA	630 ~ 1050mA		
	CURRENT TOLERANCE	±5.0%					
		5 5.0% max. @rated current					
	SET UP TIME Note.4	SET UP TIME         Note.4         500ms / 230Vac         400ms / 347VAC,480VAC					
-		180 ~ 528VAC 254VDC ~ 747VDC					
	VOLTAGE RANGE Note.3	(Please refer to "STATIC CHARACTERISTIC" section)					
	FREQUENCY RANGE	47 ~ 63Hz					
	POWER FACTOR (Typ.)	$\label{eq:pressure} \begin{array}{c} PF{\cong}0.98/230VAC, PF{\cong}0.97/277VAC, PF{\cong}0.95/347VAC, PF{\cong}0.93/480VAC @ full load \\ (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section) array$					
	TOTAL HARMONIC DISTORTION	THD<20%(@ load≥60%/230VAC, 277VAC, 347VAC; @ load≥75%/480VAC) (Please refer to "TOTAL HARMONIC DISTORTION (THD)" section)					
INPUT	EFFICIENCY (Typ.)	90%	90.5%	90.5%	90%		
	AC CURRENT (Typ.)	0.22A / 347VAC 0.1	8A / 480VAC				
	INRUSH CURRENT (Typ.)	COLD START 25A(twidth=420µs measured at 50% lpeak) at 480VAC; Per NEMA 410					
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	12 units (circuit breaker of type B) / 20 units (circuit breaker of type C) at 480VAC					
	LEAKAGE CURRENT	<0.75mA / 480VAC					
		Constant current limiting, recovers automatically after fault condition is removed					
	SHORT CIRCUIT		,		05 701/		
PROTECTION	OVER VOLTAGE		137 ~ 150V	98 ~ 107V	65~72V		
			ith auto-recovery or re-power o				
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down					
	WORKING TEMP.	Tcase=-40 ~ +80°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)					
ENVIRONMENT	MAX. CASE TEMP.	IP. Tcase=+80℃					
	ORKING HUMIDITY 20 ~ 95% RH non-condensing						
	STORAGE TEMP., HUMIDITY	<b>Y</b> -40 ~ +80°C, 10 ~ 95% RH					
	TEMP. COEFFICIENT	±0.03%/°C (0~60°C)					
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes					
	SAFETY STANDARDS		50.13-12, ENEC BS EN/EN61347	ENEC BS EN/EN61347-1, BS EN/EN61347-2-13, BS EN/EN62384, independent,			
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC					
SAFETY &	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH					
EMC	EMC EMISSION Note.6	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-Earth 4KV, Line-Line 2KV), EAC TP TC 020					
	MTBF		ordia SR-332 (Bellcore) ; 202.8K	hrs min. MIL-HDBK-217F (25°	°C)		
OTHERS	DIMENSION	189*61.5*36.8mm (L*W*H)					
	Dimension         103 01.5 30.5000 (2 w H)           PACKING         0.77Kg; 18pcs/14.9Kg/0.89CUFT						
	1. All parameters NOT specially mentioned are measured at 347VAC input, rated current and 25°C of ambient temperature.						
NOTE	2. Please refer to "DRIVING METHODS OF LED MODULE".						
	3. Please refer to "STATIC CHARACTERISTIC" sections for details.						
	4. Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.						
	5. It is measured 50%~100% of maximum voltage under rated power delivery.						
	6. 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.						
	<ul> <li>(as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf)</li> <li>7. To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED driver can only be used behind a switch without permanently connected to the mains.</li> </ul>						
	8. This series meets the typical life expectancy of >50,000 hours of operation when Tcase, particularly to point (or TMP, per DLC), is about 75°C or less.						
	9. Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com.						
	10. 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(6500f						
	11. For any application note and IP water proof function installation caution, please refer our user manual before using.						
	https://www.meanwell.com/Upload/PDF/LED_EN.pdf 12. This product is intended for North America and EU lighting equipment application. Please contact your MEAN WELL sales if you have other using.						
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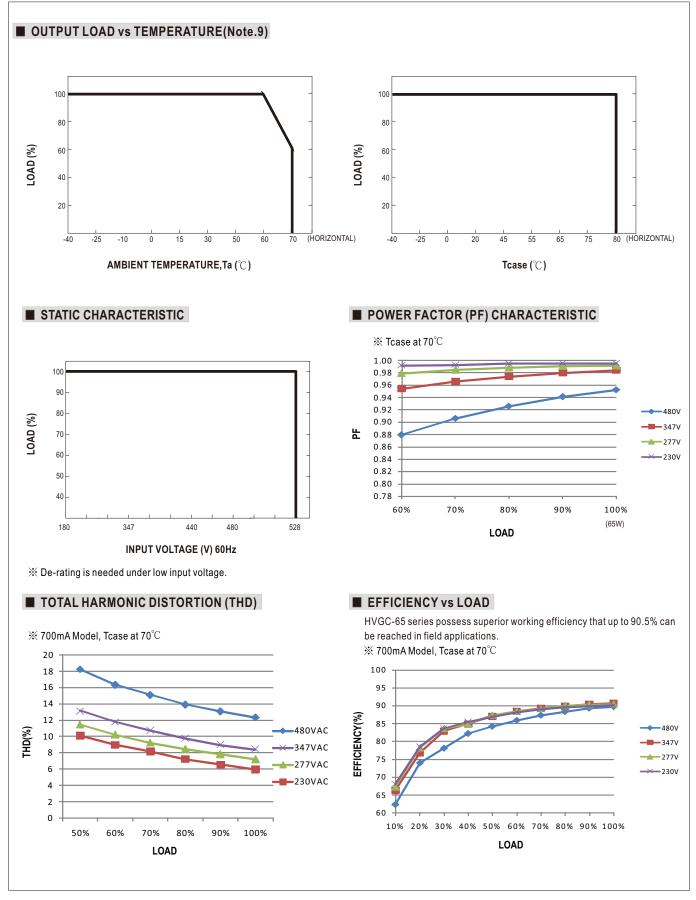








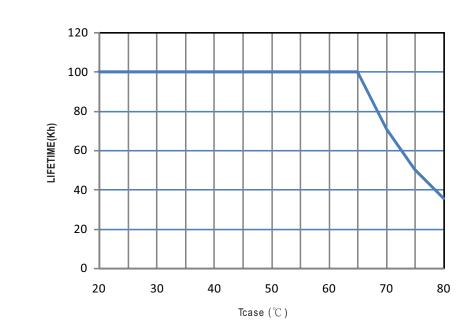




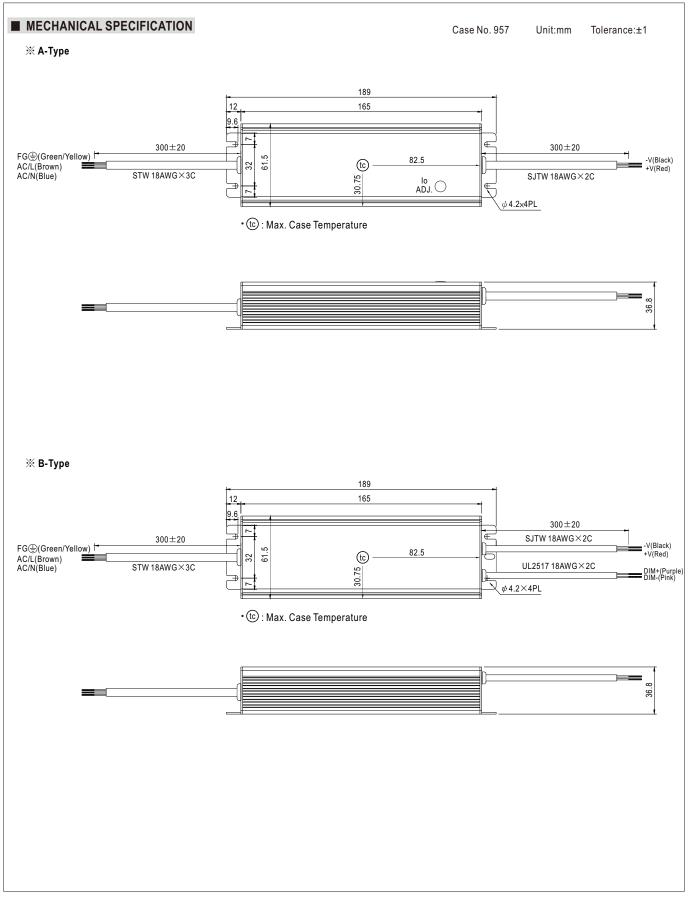


### 65W Constant Current Mode LED Driver

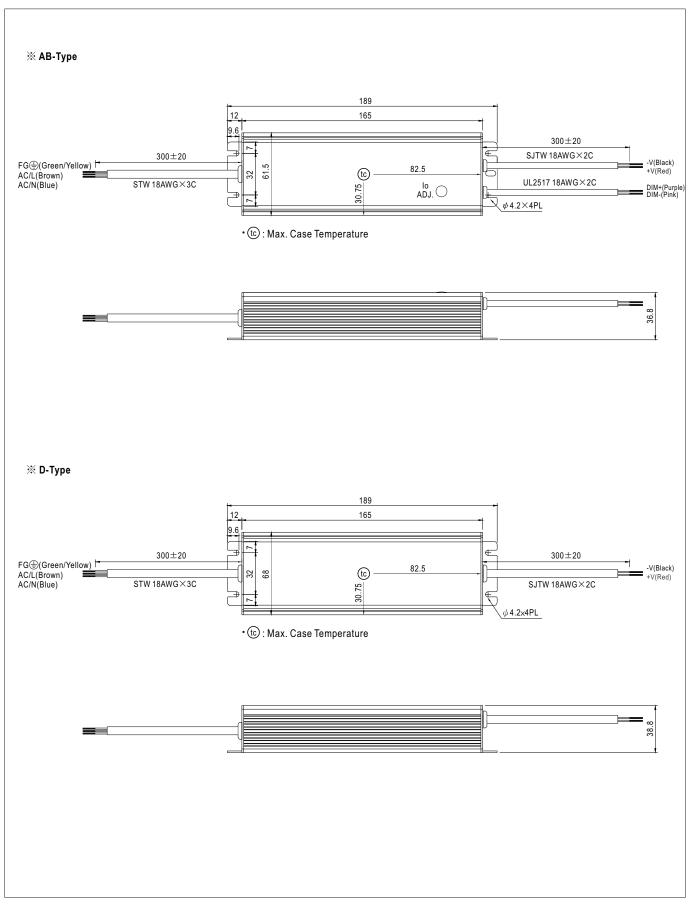














#### WATERPROOF CONNECTION

#### $\% \ {\rm Waterproof} \ {\rm connector}$

Waterproof connector can be assembled on the output cable of HVGC-65 to operate in dry/wet/damp or outdoor environment.

