







#### Features

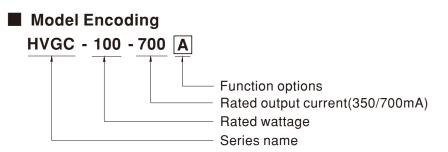
- Wide input range 180 ~ 528VAC
- · Constant Current mode output
- · Metal housing with Class I design
- · Built-in active PFC function
- · IP67 / IP65 design for indoor or outdoor installations
- Function options: output adjustable via potentiometer; 3 in 1 dimming (dim-to-off); Timer dimming
- Typical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

#### Description

#### Applications

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

HVGC-100 series is a 100W LED AC/DC LED drive featuring the constant current mode and high voltage output. HVGC-100 operates from 180~528VAC and offers models with different rated current, 350mA and 700mA, respectively. Thanks to the high efficiency up to 91%, with the fanless design, the entire series is able to operate for  $-40^{\circ}$ C ~  $+90^{\circ}$ 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-100 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	65 Io adjustable through built-in potentiometer & 3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)	
D	IP67	Timer dimming function, contact MEAN WELL for details(safety pending). By reques	

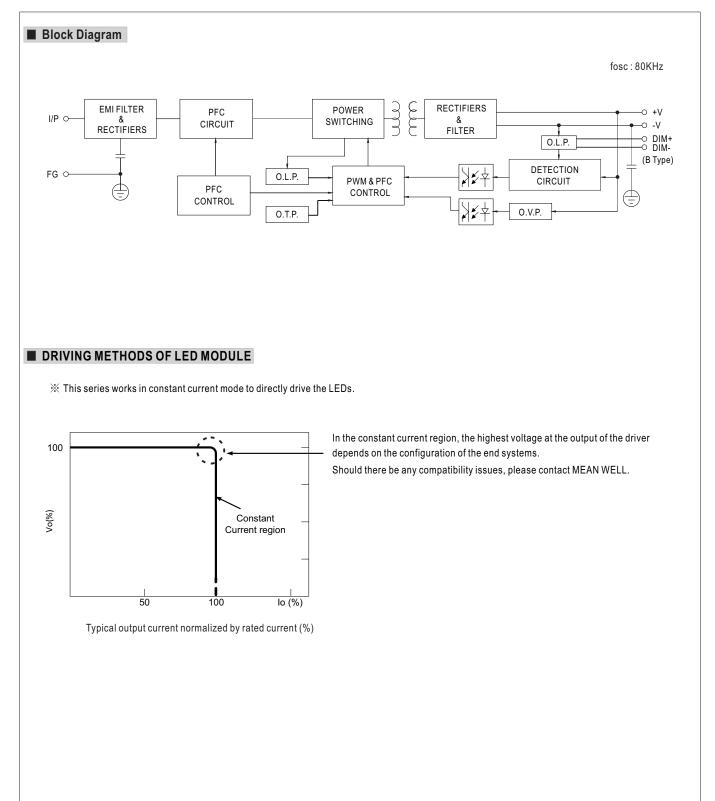


#### SPECIFICATION

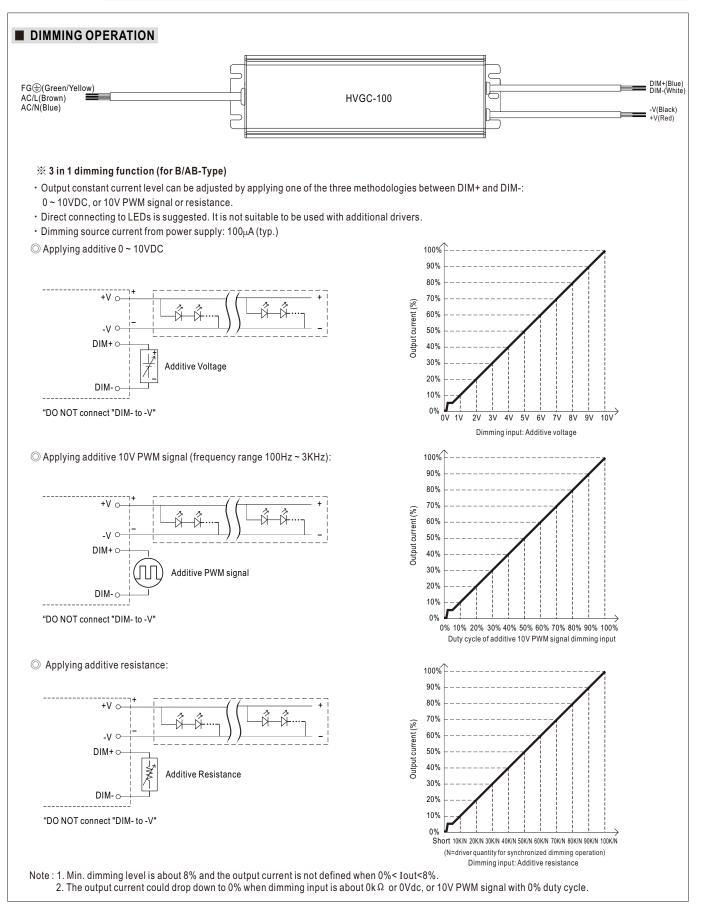
MODEL		HVGC-100-350	HVGC-100-700		
WODEL					
	RATED CURRENT	350mA	700mA		
OUTPUT	RATED POWER	99.75W	99.4W		
	CONSTANT CURRENT REGION Note.2				
	CURRENT ADJ. RANGE	Adjustable for A/AB-Type only (via built-in potentiometer)	400 700 1		
		210 ~ 350mA 420 ~ 700mA			
		5 5.0% max. @rated current			
	CURRENT TOLERANCE	±5.0%			
	SET UP TIME Note.4				
-	VOLTAGE RANGE Note.3	180 ~ 528VAC 254VDC ~ 747VDC (Please refer to "STATIC CHARACTERISTIC" section)			
		47 ~ 63Hz			
	FREQUENCY RANGE	4/ ~ 63HZ PF≥0.98/230VAC, PF≥0.98/277VAC, PF≥0.97/347VAC, PF≥0.93/480VAC @full load			
	POWER FACTOR (Typ.)	PF ≥ 0.98/230VAC, PF ≥ 0.98/277VAC, PF ≥ 0.97/347VAC, PF ≥ 0.93/480VAC @tull load (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)			
		THD<20% (@ load $\geq$ 50%/230VAC, 277VAC, 347VAC; @ load $\geq$ 75%/480VAC)			
	TOTAL HARMONIC DISTORTION	(Please refer to "TOTAL HARMONIC DISTORTION (THD)" section)			
INPUT	EFFICIENCY (Typ.)	91% 91%			
-	AC CURRENT (Typ.)	0.38A/347VAC 0.28A/480VAC			
	INRUSH CURRENT (Typ.)	COLD START 25A(twidth=900)//s measured at 50% lpeak) at 480VAC; Per NEMA 410			
	MAX. No. of PSUs on 16A				
	CIRCUIT BREAKER	5 units (circuit breaker of type B) / 8 units (circuit breaker of type C) at 480VAC			
	LEAKAGE CURRENT	<pre>&lt;0.75mA / 480VAC</pre>			
	SHORT CIRCUIT	Constant current limiting, recovers automatically after fault condition is removed			
		300 ~ 320V 150 ~ 160V			
PROTECTION	OVER VOLTAGE	Shut down o/p voltage with auto-recovery or re-power on to recovery			
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down			
	WORKING TEMP.	Tcase=-40 ~ +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)			
	MAX. CASE TEMP.	Tcase=+90°C			
ENVIRONMENT	WORKING HUMIDITY	20 ~ 95% RH non-condensing			
	STORAGE TEMP., HUMIDITY	-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	UL8750, CSA C22.2 No. 250.0-08, TUV EN61347-1, EN61347-2-13, EAC TP TC 004, IP65 or IP67 approved; design refer to UL60950-1			
SAFETY & EMC	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC			
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH			
	EMC EMISSION	Compliance to EN55015, EN61000-3-2 Class C (@ load≧50%) ; EN61000-3-3, FCC Part 15 Subpart, EAC TP TC 020			
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61547, light industry level (surge immunity Line-Earth 4KV, Line-Line 2KV), EAC TP TC 020			
	MTBF	186.1K hrs min. MIL-HDBK-217F (25℃)			
	DIMENSION	236*68*38.8mm (L*W*H)			
	PACKING	1.18Kg; 12pcs/15.2Kg/0.74CUFT			
NOTE	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".				
	<ol> <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 first cold start. Turning ON/OFF the driver may lead to increase of the set up time.</li> <li>It is measured 50% ~ 100% of maximum voltage under rated power delivery.</li> </ol>				
	<ul><li>6. The driver is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected be complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.</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</li></ul>				
	connected to the mains. 8. This series meets the typical life expectancy of >50,000 hours of operation when Tcase, particularly (tc) point (or TMP, per DLC), is about 80 °C or less.				
	<ol> <li>Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com.</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> </ol>				
	<ol> <li>The ambient temperature defaulting of 3.5 C/1000m with namess models and of 5 C/1000m with nam models for operating allitude higher than 2000m(6500h).</li> <li>For any application note and IP water proof function installation caution, please refer our user manual before using.</li> </ol>				
	https://www.meanwell.com/Upload/PDF/LED_EN.pdf				
		: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx			



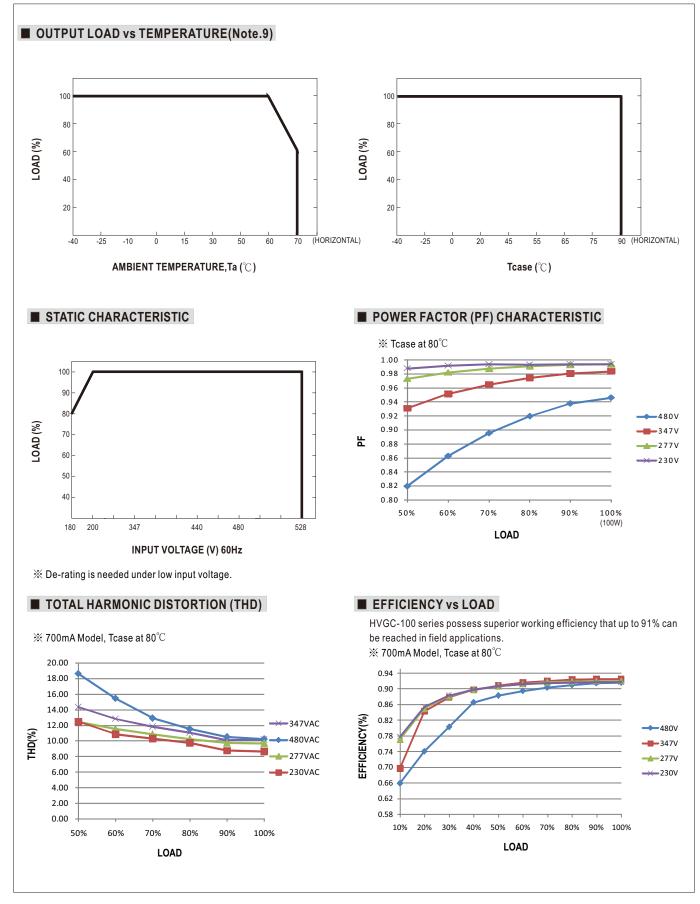
### 100W Constant Current Mode LED Driver









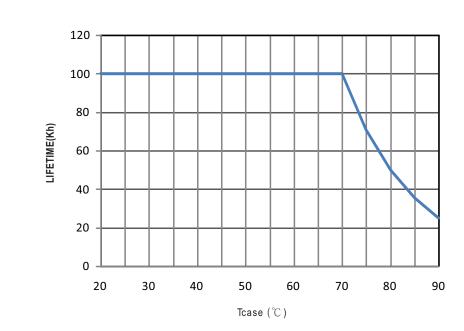




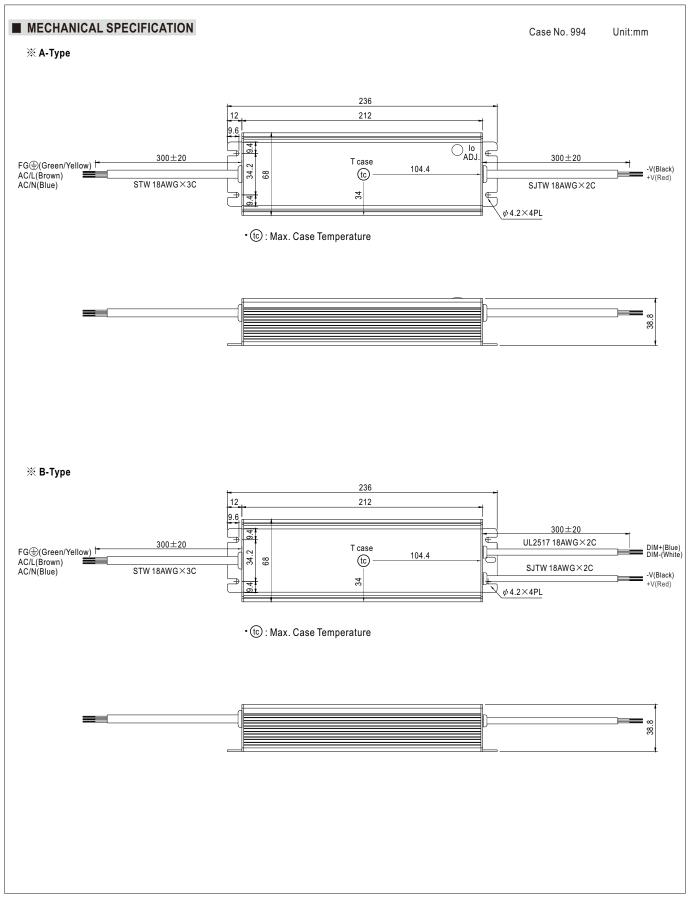
### 100W Constant Current Mode LED Driver

# HVGC-100 series

LIFE TIME



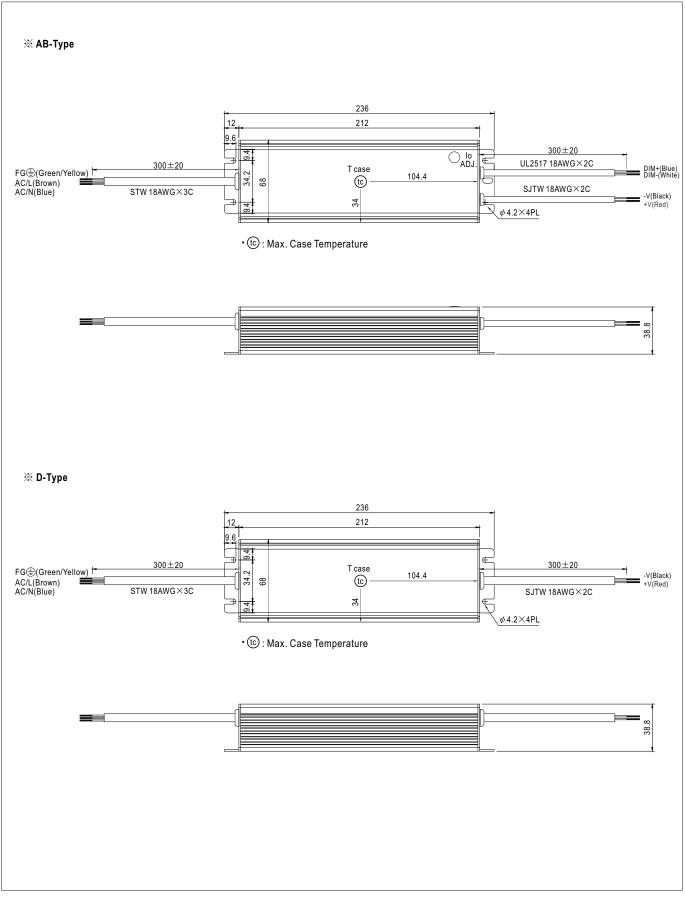






### 100W Constant Current Mode LED Driver

# HVGC-100 series



File Name:HVGC-100-SPEC 2020-12-10



#### WATERPROOF CONNECTION

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

Waterproof connector can be assembled on the output cable of HVGC-100 to operate in dry/wet/damp or outdoor environment.

