









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

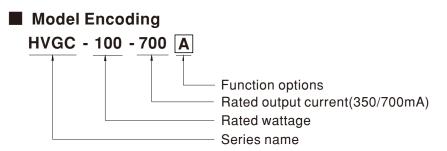
Description

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-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°C ~ +90°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 Stoc	
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	

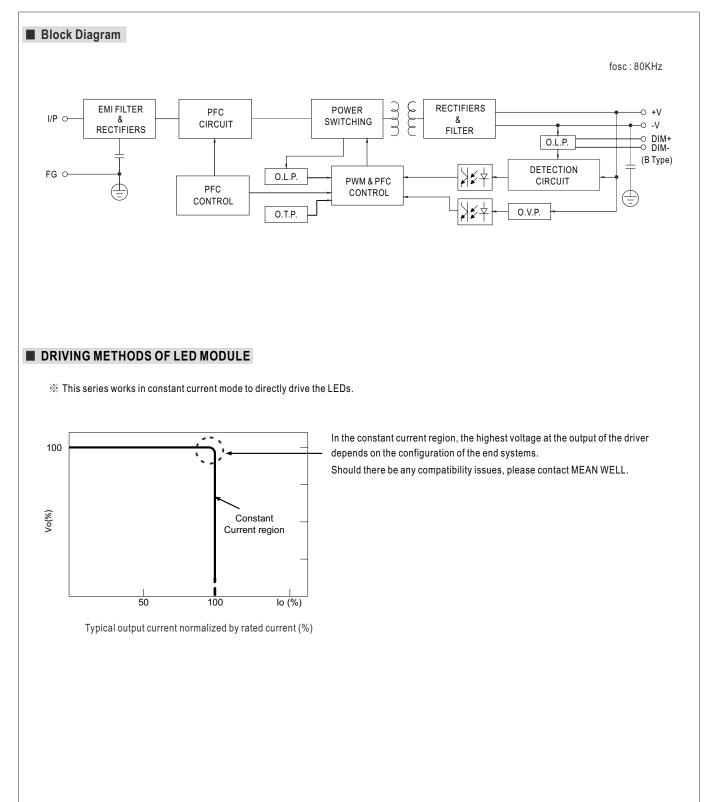


SPECIFICATION

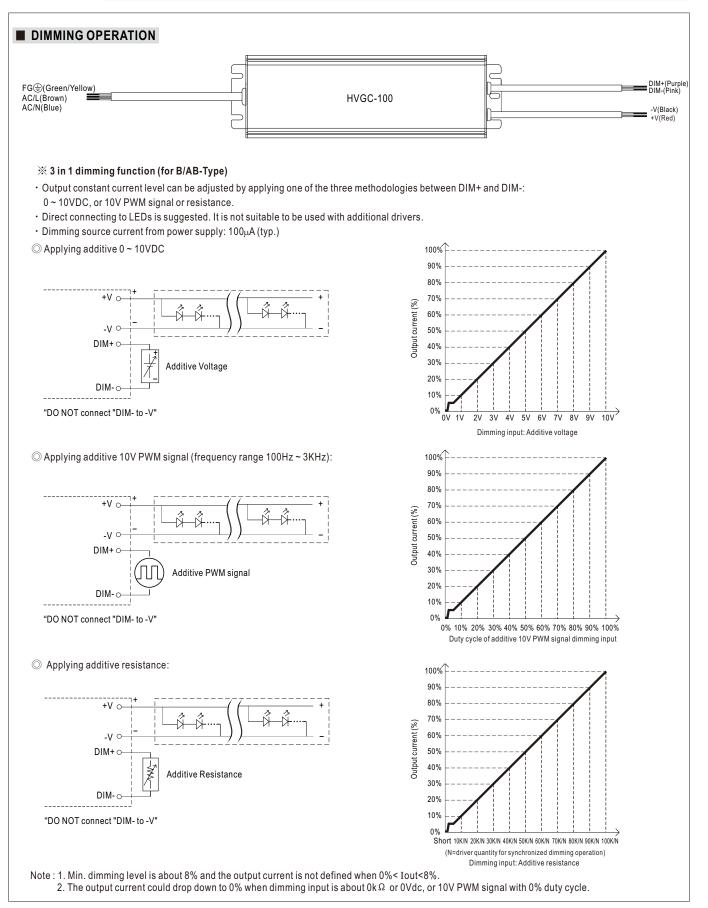
		HVGC-100-350	HVGC-100-700		
WODEL					
	RATED CURRENT	350mA	700mA		
OUTPUT	RATED POWER	99.75W	99.4W		
	CONSTANT CURRENT REGION Note.2				
	CURRENT ADJ. RANGE	Adjustable for A/AB-Type only (via built-in pote			
		210 ~ 350mA	420 ~ 700mA		
		5 5.0% max. @rated current			
	CURRENT TOLERANCE	±5.0%			
	SET UP TIME Note.4				
INPUT	VOLTAGE RANGE Note.3	180 ~ 528VAC 254VDC ~ 747VDC			
		(Please feler to STATIC CHARACTERISTIC section)			
	FREQUENCY RANGE	47~63Hz			
	POWER FACTOR (Typ.)	PF≥0.98/230VAC, PF≥0.98/277VAC, PF≥0.97/347VAC, PF≥0.93/480VAC @full load (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)			
	TOTAL HARMONIC DISTORTION	THD< 20%(@ load≥50%/230VAC, 277VAC, 347VAC; @ load≥75%/480VAC) (Please refer to "TOTAL HARMONIC DISTORTION (THD)" section)			
	EFFICIENCY (Typ.)	91%	91%		
	AC CURRENT (Typ.)	0.38A/347VAC 0.28A/480VAC			
	INRUSH CURRENT (Typ.)	COLD START 25A(twidth=900µs measured at 50% Ipeak) 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	<0.75mA / 480VAC			
PROTECTION	SHORT CIRCUIT	Constant current limiting, recovers automatically after fault condition is removed			
		300 ~ 320V 150 ~ 160V			
	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	DITY 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 BS EN/EN61347-1, BS EN/EN61347-2-13, EAC TP TC 004, IP65 or IP67 approved; design refer to UL60950-1			
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC			
EMC	ISOLATION RESISTANCE	I/P-O/P. I/P-FG. O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH			
	EMC EMISSION	Compliance to BS EN/EN55015_BS EN/EN61000-3-2_Class C (@ load≥50%) · BS EN/EN61000-3-3			
	EMC IMMUNITY	MUNITY 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	745.0K hrs min. Telcordia SR-332 (Bellcore) ; 186.1K hrs min. MIL-HDBK-217F (25°C)			
OTHERS	DIMENSION	236*68*38.8mm (L*W*H)			
	PACKING				
NOTE	PACKING 1.18Kg; 12pcs/15.2Kg/0.74CUFT 1. All parameters NOT specially mentioned are measured at 347VAC input, rated current and 25°C of ambient temperature. 2. Please refer to "DRIVING METHODS OF LED MODULE".				
	3. 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 first cold start. Turning ON/OFF the driver may lead to increase of the set up time. 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.				
	 (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) 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 				
	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.				
	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(6500ft).				
	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.				
	 This product is intended for North America and EO lighting equipment application. Please contact your MEAN WELL sales if you have other using. Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx 				



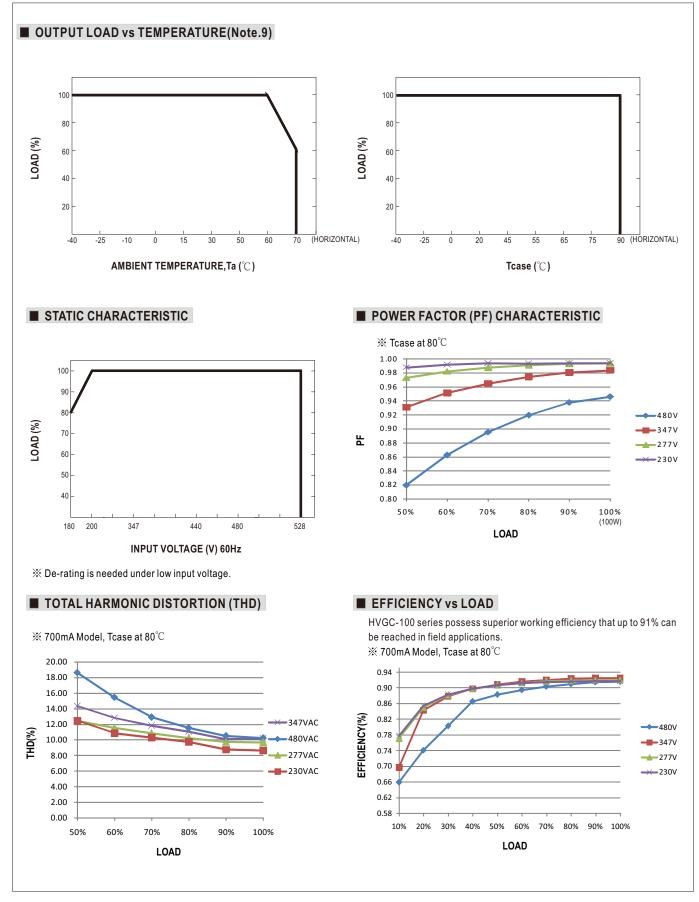
100W Constant Current Mode LED Driver









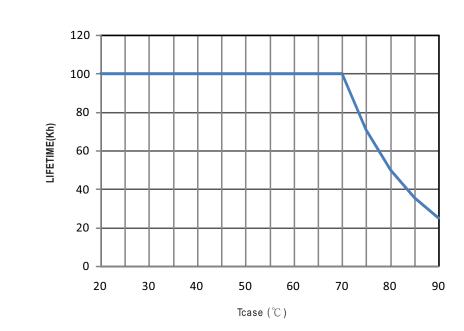




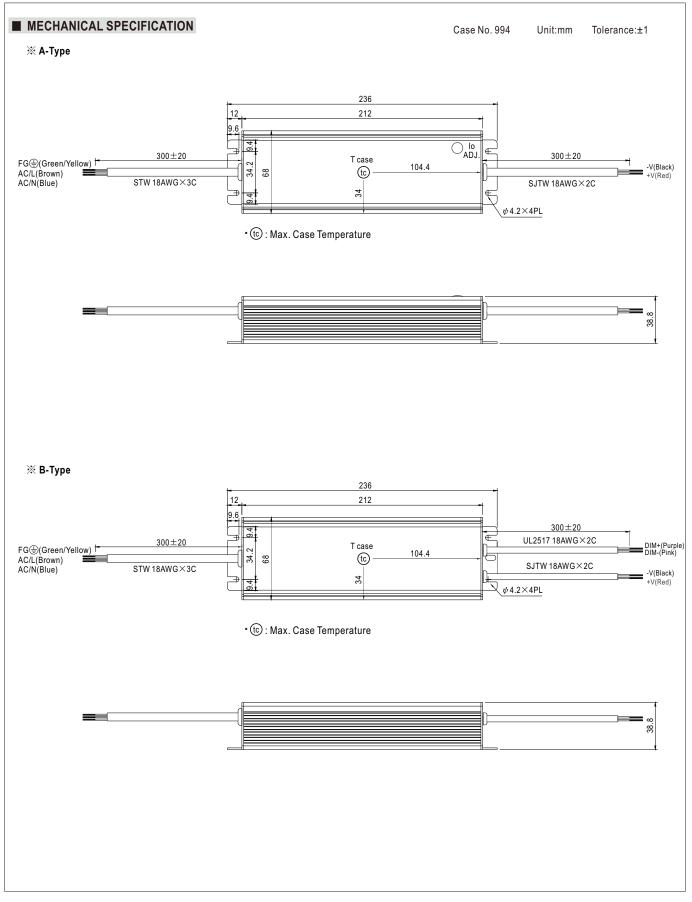
100W Constant Current Mode LED Driver

HVGC-100 series

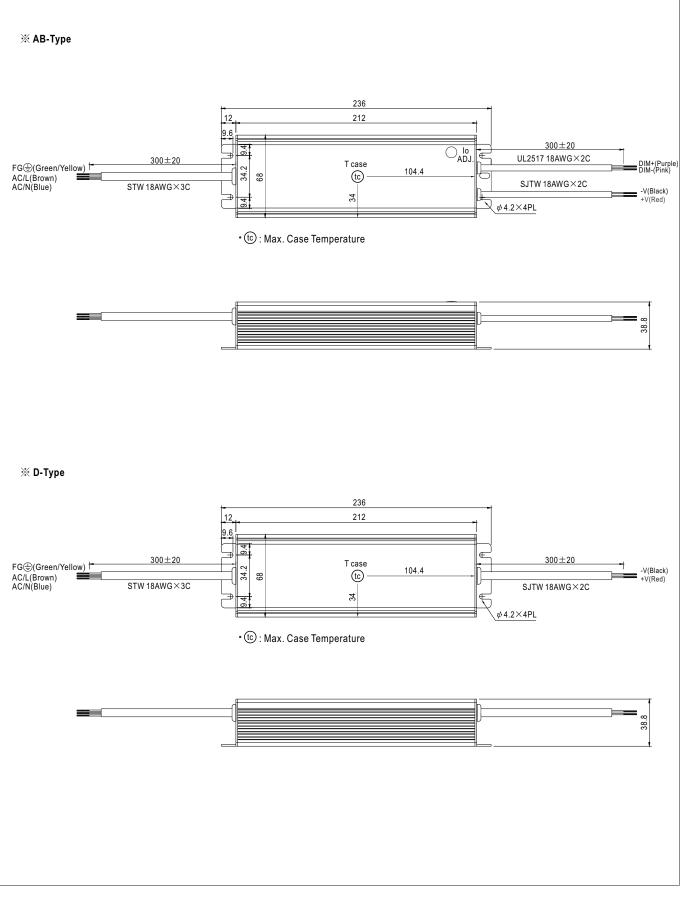
LIFE TIME













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.

