







Features

- Wide input range 180 ~ 528VAC
- · Constant Voltage + Constant Current mode output
- · Metal housing with Class I design
- · Built-in active PFC function
- IP67 / IP65 rating 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



Applications

- · LED street lighting
- · LED high-bay lighting
- · Parking space lighting
- · LED fishing lamp
- LED greenhouse lighting
- Type "HL" for use in Class I, Division 2 hazardous (Classified) location.

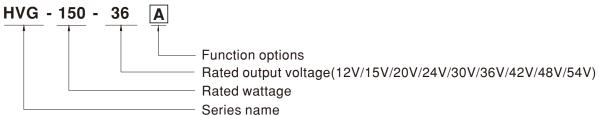
■ GTIN CODE

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

Description

HVG-150 series is a 150W AC/DC LED power supply featuring the dual mode constant voltage and constant current output. HVG-150 operates from $180\sim528$ VAC and offers models with different rated voltage ranging between 12V and 54V. Thanks to the high efficiency up to 91.5%, with the fanless design, the series is able to operate from -40°C through as high as +85°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. HVG-150 is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system.

■ Model Encoding



Type	IP Level	Function	Note
Α	IP65	Io and Vo 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 and Vo 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



150W Constant Voltage + Constant Current LED Driver

SPECIFICATION

		HVG-150-12	HVG-150-15	HVG-150-20	HVG-150-24	HVG-150-30	HVG-150-36	HVG-150-42	HVG-150-48	HVG-150-54
	DC VOLTAGE	12V	15V	20V	24V	30V	36V	42V	48V	54V
	CONSTANT CURRENT REGION Note.4	7.2~12V 8	8.25~15V	11~20V	13.2~24V	16.5~30V	19.8~36V	23.1~42V	26.4~48V	29.7~54V
	RATED CURRENT	10A	10A	7.5A	6.25A	5A	4.17A	3.58A	3.13A	2.78A
	RATED POWER	120W	150W	150W	150W	150W	150.12W	150.36W	150.24W	150.12W
OUTPUT	RIPPLE & NOISE (max.) Note.2	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p
	VOLTAGE ADJ. RANGE	Adjustable for A	A/AB-Type onl	y (via the built-	in potentiomet	er)				
	VOLIAGE ADJ. RANGE	10.8 ~ 13.5V	13.5 ~ 17V	17 ~ 22V	22 ~ 27V	27 ~ 33V	33 ~ 40V	38 ~ 46V	43 ~ 53V	49 ~ 58V
	CURRENT ADJ. RANGE	Adjustable for A	A/AB-Type onl	y (via the built-	in potentiomet	er)				
	CORRENT ADS. RANGE	6 ~ 10A	5.5 ~ 10A	4.13 ~ 7.5A	3.44 ~ 6.25A	2.75 ~ 5A	2.29 ~ 4.17A	1.97 ~ 3.58A	1.72 ~ 3.13A	1.53 ~ 2.78
	VOLTAGE TOLERANCE Note.3	±2.5%	±2.0%	$\pm 1.0\%$	±1.0%	±1.0%	$\pm 1.0\%$	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±2.0%	±1.5%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	SETUP, RISE TIME Note.6	500ms, 80ms /230VAC, 347VAC, 480VAC								
	HOLD UP TIME (Typ.)	18ms/347VAC, 480VAC								
	VOLTAGE DANCE	180 ~ 528VAC 254VDC ~ 747VDC								
	VOLTAGE RANGE Note.5	(Please refer to "STATIC CHARACTERISTIC" section)								
	FREQUENCY RANGE	47 ~ 63Hz								
	DOWED EACTOR (T)	$PF \ge 0.98/230VAC, PF \ge 0.97/277VAC, PF \ge 0.95/347VAC, PF \ge 0.93/480VAC @full load$								
	POWER FACTOR (Typ.)	(Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)								
	TOTAL HADMONIC DISTORTION	THD< 20%(@ load \ge 50%/230VAC, 277VAC, 347VAC [@ load \ge 60% only for 12V model]; @ load \ge 75%/480VAC)								
	TOTAL HARMONIC DISTORTION	(Please refer to	o "TOTAL HA	RMONIC DIST	ORTION (TH	D)" section)	•	-		
INPUT	EFFICIENCY (Typ.)	87%	89%	90.5%	91%	91%	91%	91%	91.5%	91.5%
	AC CURRENT 347VAC	0.45A	0.5A						'	
	(Typ.) 480VAC	0.35A	0.38A							
	INRUSH CURRENT (Typ.)	COLD START 35A(twidth=790µs measured at 50% lpeak) at 480VAC; Per NEMA 410								
	MAX. No. of PSUs on 16A	4 units (circuit breaker of type B) / 6 units (circuit breaker of type C) at 480VAC								
	CIRCUIT BREAKER									
	LEAKAGE CURRENT	<0.75mA / 480VAC								
	OVED OUDDENT	95 ~ 108%								
	OVER CURRENT	Constant current limiting, recovers automatically after fault condition is removed								
		Constant current limiting, recovers automatically after fault condition is removed								
	SHORT CIRCUIT	14.4 ~ 16.8V 18 ~ 21V 23 ~ 27V 28 ~ 34V 34 ~ 38V 41 ~ 46V 47 ~ 53V 54 ~ 60V 59 ~ 65V								
PROTECTION	SHORT CIRCUIT		<u> </u>					47 ~ 53V	54 ~ 60V	59 ~ 65V
PROTECTION	OVER VOLTAGE		18 ~ 21V	23 ~ 27V	28 ~ 34V	34 ~ 38V		47 ~ 53V	54 ~ 60V	59 ~ 65V
PROTECTION		14.4 ~ 16.8V	18 ~ 21V voltage with a	23 ~ 27V uto-recovery o	28 ~ 34V r re-power on	34 ~ 38V to recovery	41 ~ 46V	47 ~ 53V	54 ~ 60V	59 ~ 65V
PROTECTION	OVER VOLTAGE OVER TEMPERATURE	14.4 ~ 16.8V Shut down o/p	18 ~ 21V voltage with a voltage, reco	23 ~ 27V auto-recovery o overs automati	28 ~ 34V or re-power on t ically after tem	34 ~ 38V to recovery operature goes	41 ~ 46V down			
PROTECTION	OVER VOLTAGE	14.4 ~ 16.8V Shut down o/p Shut down o/p	$18 \sim 21V$ voltage with a voltage, reco	23 ~ 27V auto-recovery o overs automati	28 ~ 34V or re-power on to cally after term el, -40 ~ +80°C	34 ~ 38V to recovery apperature goes for 15V model)(41 ~ 46V down			
	OVER VOLTAGE OVER TEMPERATURE WORKING TEMP.	14.4 ~ 16.8V Shut down o/p Shut down o/p Tcase=-40 ~ +8	18 ~ 21V voltage with a voltage, reco 5°C (-40 ~ +75° +75°C for 12V	23 ~ 27V uuto-recovery o overs automati C for 12V model model, +80°C	28 ~ 34V or re-power on to cally after term el, -40 ~ +80°C	34 ~ 38V to recovery apperature goes for 15V model)(41 ~ 46V down			
	OVER VOLTAGE OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY	14.4 ~ 16.8V Shut down o/p Shut down o/p Tcase=-40 ~ +8 Tcase=+85°C (-	18 ~ 21V voltage with a voltage, recc 5°C (-40 ~ +75° +75°C for 12V ion-condensin	23 ~ 27V uuto-recovery o overs automati C for 12V model model, +80°C	28 ~ 34V or re-power on to cally after term el, -40 ~ +80°C	34 ~ 38V to recovery apperature goes for 15V model)(41 ~ 46V down			
	OVER VOLTAGE OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP.	$14.4 \sim 16.8 \text{V}$ Shut down o/p Shut down o/p Tcase=-40 \sim +8 Tcase=+85°C (- 20 \sim 95% RH n	$18 \sim 21V$ voltage with a voltage, recc 5° C (-40 \sim +75 +75 $^{\circ}$ C for 12V ion-condensin 0 \sim 95% RH	23 ~ 27V uuto-recovery o overs automati C for 12V model model, +80°C	28 ~ 34V or re-power on to cally after term el, -40 ~ +80°C	34 ~ 38V to recovery apperature goes for 15V model)(41 ~ 46V down			
	OVER VOLTAGE OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT	14.4 ~ 16.8V Shut down o/p Shut down o/p Shut down o/p Tcase=-40 ~ +8 Tcase=+85 $^{\circ}$ C (-20 ~ 95 $^{\circ}$ RH n -40 ~ +80 $^{\circ}$ C , 10 \pm 0.03%/ $^{\circ}$ C (0	$18 \sim 21V$ voltage with a voltage, recc 5° C ($-40 \sim +75$ + 75° C for $12V$ con-condensin $0 \sim 95\%$ RH $\sim 60^{\circ}$ C)	23 ~ 27V nuto-recovery o overs automati °C for 12V mode (model, +80°C)	28 ~ 34V or re-power on the cally after temel, -40 ~ +80°C for 15V model	34 ~ 38V to recovery inperature goes for 15V model)(41 ~ 46V down Please refer to			
	OVER VOLTAGE OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION	14.4 ~ 16.8V Shut down o/p Shut down o/p Shut down o/p Tcase=-40 ~ +8 Tcase=+85 $^{\circ}$ C (-20 ~ 95 $^{\circ}$ R H n -40 ~ +80 $^{\circ}$ C , 11 \pm 0.03%/ $^{\circ}$ C (0 10 ~ 500Hz, 50	$18 \sim 21V$ voltage with a voltage, recc 5° C ($-40 \sim +75$ + 75° C for $12V$ con-condensin $0 \sim 95\%$ RH $\sim 60^{\circ}$ C)	23 ~ 27V iuto-recovery o overs automati for for 12V mode model, +80°C g	28 ~ 34V or re-power on to cally after temel, -40 ~ +80°C for 15V model	34 ~ 38V to recovery inperature goes for 15V model)()	41 ~ 46V down Please refer to			
PROTECTION	OVER VOLTAGE OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7	14.4 ~ 16.8V Shut down o/p Shut down o/p Shut down o/p Tcase=-40 ~ +8 Tcase=+85 $^{\circ}$ C (-20 ~ 95 $^{\circ}$ R H n -40 ~ +80 $^{\circ}$ C , 11 \pm 0.03%/ $^{\circ}$ C (0 10 ~ 500Hz, 50 UL8750(type"h	$18 \sim 21V$ voltage with a voltage, recc 5° C ($-40 \sim +75$ + 75° C for $12V$ ion-condensin $0 \sim 95\%$ RH $\sim 60^{\circ}$ C) G 12 min./1cyc 12 L"), CSA C22	23 ~ 27V iuto-recovery o overs automati c for 12V model model, +80°C g le, period for 7 .2 No. 250.0-0	28 ~ 34V or re-power on to cally after temel, -40 ~ +80°C for 15V model	34 ~ 38V to recovery inperature goes for 15V model)()	41 ~ 46V down Please refer to			
	OVER VOLTAGE OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE	14.4 ~ 16.8V Shut down o/p Shut down o/p Tcase=-40 ~ +8 Tcase=+85°C(-20 ~ 95% RH n -40 ~ +80°C, 11 ±0.03%/°C (0 10 ~ 500Hz, 50 UL8750(type"H	18 ~ 21V voltage with a voltage, recc 5°C (-40 ~ +75 +75°C for 12V ion-condensin 0 ~ 95% RH ~ 60°C) 3 12min./1cyc HL"), CSA C22 VAC I/P-FC	23 ~ 27V utto-recovery o overs automati c for 12V model, +80 °C g le, period for 7 .2 No. 250.0-0 G:2KVAC O/	28 ~ 34V or re-power on to cally after temel, -40 ~ +80°C for 15V model "2min. each alco 8, EAC TP TC P-FG:1.5KVA	34 ~ 38V to recovery operature goes for 15V model)() ong X, Y, Z axes 004, IP65 or IP	41 ~ 46V down Please refer to			
ENVIRONMENT	OVER VOLTAGE OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7	14.4 ~ 16.8V Shut down o/p Shut down o/p Tcase=-40 ~ +8 Tcase=+85°C(-20 ~ 95% RH n -40 ~ +80°C, 11 ±0.03%/°C (0 10 ~ 500Hz, 50 UL8750(type"H I/P-O/P:3.75K	18 ~ 21V voltage with a voltage, recc 5°C (-40 ~ +75 +75°C for 12V ion-condensin 0 ~ 95% RH ~ 60°C) 6 12min./1cyc HL"), CSA C22 VAC I/P-F(3, O/P-FG:10	23 ~ 27V utto-recovery o overs automati c for 12V model model, +80 °C g le, period for 7 2 No. 250.0-0 Si2KVAC O/ 0M Ohms / 50	28 ~ 34V or re-power on to cally after temel, -40 ~ +80°C for 15V model "2min. each ald 8, EAC TP TC P-FG:1.5KVA	34 ~ 38V to recovery sperature goes for 15V model)() ong X, Y, Z axes 004, IP65 or IP C 70% RH	41 ~ 46V down Please refer to 67 approved	"OUTPUT LOAI	D vs TEMPERA	
ENVIRONMENT	OVER VOLTAGE OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE	14.4 ~ 16.8V Shut down o/p Shut down o/p Tcase=-40 ~ +8 Tcase=+85°C(-20 ~ 95% RH n -40 ~ +80°C, 11 ±0.03%/°C (0 10 ~ 500Hz, 50 UL8750(type"H	18 ~ 21V voltage with a voltage, recc 5°C (-40 ~ +75 +75°C for 12V ion-condensin 0 ~ 95% RH ~ 60°C) 6 12min./1cyc HL"), CSA C22 VAC I/P-F(G, O/P-FG:10 EN55015, EN	23 ~ 27V utto-recovery o overs automati C for 12V model model, +80 °C g le, period for 7 .2 No. 250.0-0 3:2KVAC	28 ~ 34V or re-power on to cally after temel, -40 ~ +80°C for 15V model 22min. each alo 8, EAC TP TC P-FG:1.5KVA 0VDC / 25°C / 25°C / 25°C (@ load aloc)	34 ~ 38V to recovery sperature goes for 15V model)() ong X, Y, Z axes 004, IP65 or IP C 70% RH	41 ~ 46V down Please refer to 67 approved	"OUTPUT LOAI	D vs TEMPERA	
ENVIRONMENT	OVER VOLTAGE OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	14.4 ~ 16.8V Shut down o/p Shut down o/p Tcase=-40 ~ +8 Tcase=+85°C(-20 ~ 95% RH n -40 ~ +80°C, 11 ±0.03%/°C (0 10 ~ 500Hz, 5C UL8750(type"H /P-O/P:3.75K /P-O/P, I/P-FC Compliance to EN61000-3-3,	18 ~ 21V voltage with a voltage, recc 5°C (-40 ~ +75° +75°C for 12V ion-condensin 0 ~ 95% RH ~ 60°C) 3 12min./1cyc HL"), CSA C22 VAC I/P-FC 3, O/P-FG:10 EN55015, EN	23 ~ 27V utto-recovery o overs automati for 12V model model, +80 for g le, period for 7 .2 No. 250.0-0 G:2KVAC	28 ~ 34V r re-power on to cally after temel, -40 ~ +80°C for 15V model 22min. each alcook, EAC TP TC P-FG:1.5KVA 0VDC / 26°C/ ass C (@ load = PTC 020	34 ~ 38V to recovery sperature goes for 15V model)() ong X, Y, Z axes 004, IP65 or IP C 70% RH ≥55% load,@ I	down Please refer to 67 approved oad ≥ 60% onl	"OUTPUT LOA! y for 12V mode	D vs TEMPERA	FURE" section
ENVIRONMENT	OVER VOLTAGE OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE	14.4 ~ 16.8V Shut down o/p Shut down o/p Tcase=-40 ~ +8 Tcase=+85°C (-20 ~ 95% RH n -40 ~ +80°C, 11 ±0.03%/°C (0 10 ~ 500Hz, 50 UL8750(type"H I/P-O/P:3.75K I/P-O/P, I/P-FC Compliance to	18 ~ 21V voltage with a voltage, recc 5°C (-40 ~ +75 +75°C for 12V ion-condensin 0 ~ 95% RH ~ 60°C) 3 12min./1cyc HL"), CSA C22 VAC I/P-FC 3, O/P-FG:10 EN55015, EN FCC Part 15 \$ EN61000-4-2	23 ~ 27V utto-recovery o overs automati for 12V model model, +80 for g le, period for 7 .2 No. 250.0-0 G:2KVAC	28 ~ 34V r re-power on to cally after temel, -40 ~ +80°C for 15V model 22min. each alcook, EAC TP TC P-FG:1.5KVA 0VDC / 26°C/ ass C (@ load = PTC 020	34 ~ 38V to recovery sperature goes for 15V model)() ong X, Y, Z axes 004, IP65 or IP C 70% RH ≥55% load,@ I	down Please refer to 67 approved oad ≥ 60% onl	"OUTPUT LOA! y for 12V mode	D vs TEMPERA	FURE" section
ENVIRONMENT	OVER VOLTAGE OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	14.4 ~ 16.8V Shut down o/p Shut down o/p Tcase=-40 ~ +8 Tcase=+85°C(-20 ~ 95% RH n -40 ~ +80°C, 11 ±0.03%/°C (0 10 ~ 500Hz, 50 UL8750(type"H I/P-O/P:3.75K I/P-O/P, I/P-FC Compliance to EN61000-3-3, Compliance to EAC TP TC 02	18 ~ 21V voltage with a voltage, recc 5°C (-40 ~ +75° +75°C for 12V ion-condensin 0 ~ 95% RH ~ 60°C) G 12min./1cyc HL"), CSA C22 VAC I/P-FC G, O/P-FG:10 EN55015, EN FCC Part 15 \$ EN61000-4-2	23 ~ 27V utto-recovery o overs automati for 12V model model, +80 for g le, period for 7 .2 No. 250.0-0 G:2KVAC	28 ~ 34V r re-power on to cally after temel, -40 ~ +80°C for 15V model 22min. each alcass, EAC TPTC P-FG:1.5KVA 0VDC / 25°C/ ass C (@ load=PTC 020 EN61547, light	34 ~ 38V to recovery sperature goes for 15V model)() ong X, Y, Z axes 004, IP65 or IP C 70% RH ≥55% load,@ I	down Please refer to 67 approved oad≥60% onl surge immunity	"OUTPUT LOA! y for 12V mode	D vs TEMPERA	FURE" section
ENVIRONMENT SAFETY & EMC	OVER VOLTAGE OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF	14.4 ~ 16.8V Shut down o/p Shut down o/p Tcase=-40 ~ +8 Tcase=+85°C(-20 ~ 95% RH n -40 ~ +80°C, 11 ±0.03%/°C (0 10 ~ 500Hz, 50 UL8750(type"H I/P-O/P; 3.75K I/P-O/P, I/P-FC Compliance to EN61000-3-3, Compliance to EAC TP TC 02i 1796.5K hrs mi	18 ~ 21V voltage with a voltage, recc 5°C (-40 ~ +75° +75°C for 12V ion-condensin 0 ~ 95% RH 1 ~ 60°C) G 12min./1cyc HL"), CSA C22 VAC I/P-FC G, O/P-FG:10 EN55015, EN FCC Part 15 S EN61000-4-2 0 in. Telcordi	23 ~ 27V utto-recovery o overs automati for 12V model model, +80 for g le, period for 7 .2 No. 250.0-0 G:2KVAC	28 ~ 34V r re-power on to cally after temel, -40 ~ +80°C for 15V model 22min. each alcass, EAC TPTC P-FG:1.5KVA 0VDC / 25°C/ ass C (@ load=PTC 020 EN61547, light	34 ~ 38V to recovery sperature goes for 15V model)() ong X, Y, Z axes 004, IP65 or IP C 70% RH ≥55% load,@ I	down Please refer to 67 approved oad ≥ 60% onl	"OUTPUT LOA! y for 12V mode	D vs TEMPERA	FURE" section
ENVIRONMENT	OVER VOLTAGE OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS Note.7 WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	14.4 ~ 16.8V Shut down o/p Shut down o/p Tcase=-40 ~ +8 Tcase=+85°C(-20 ~ 95% RH n -40 ~ +80°C, 11 ±0.03%/°C (0 10 ~ 500Hz, 50 UL8750(type"H I/P-O/P:3.75K I/P-O/P, I/P-FC Compliance to EN61000-3-3, Compliance to EAC TP TC 02	18 ~ 21V voltage with a voltage, recc 5°C (-40 ~ +75' +75°C for 12V ion-condensin 0 ~ 95% RH 1 ~ 60°C) G 12min./1cyc HL"), CSA C22 VAC I/P-FC G, O/P-FG:10 EN55015, EN FCC Part 15 S EN61000-4-2 0 in. Telcordi m (L*W*H)	23 ~ 27V utto-recovery o overs automati for 12V model model, +80 for g le, period for 7 .2 No. 250.0-0 3:2KVAC	28 ~ 34V r re-power on to cally after temel, -40 ~ +80°C for 15V model 22min. each alcass, EAC TPTC P-FG:1.5KVA 0VDC / 25°C/ ass C (@ load=PTC 020 EN61547, light	34 ~ 38V to recovery sperature goes for 15V model)() ong X, Y, Z axes 004, IP65 or IP C 70% RH ≥55% load,@ I	down Please refer to 67 approved oad≥60% onl surge immunity	"OUTPUT LOA! y for 12V mode	D vs TEMPERA	FURE" section

- Tolerance : includes set up tolerance, line regulation and load regulation.
 Please refer to "DRIVING METHODS OF LED MODULE".

- Please feler to DRIVING METHODS OF LED MODULE.
 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 power supply may lead to increase of the set up time.
 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.

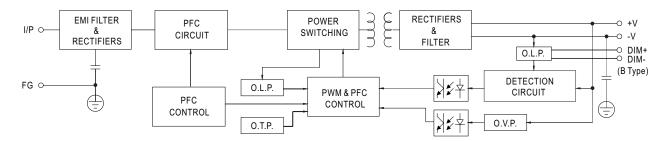
 (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf)

- (as available of https://www.meanwell.com//pload/PDF/EIN]_statement_ein.pdf)
 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(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. For A/AB type need to consider build in using to comply with Type HL application.
- X Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx

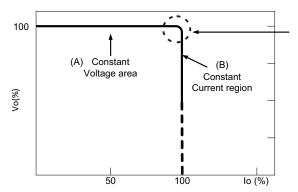
■ Block Diagram

PFC fosc: 130KHz PWM fosc: 70KHz



■ DRIVING METHODS OF LED MODULE

X This series is able to work in either Constant Current mode (a direct drive way) or Constant Voltage mode (usually through additional DC/DC driver) to drive the LEDs.



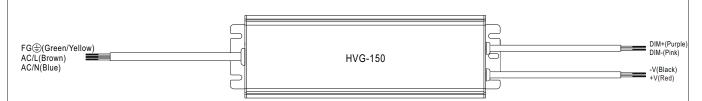
Typical output current normalized by rated current (%)

In the constant current region, the highest voltage at the output of the driver depends on the configuration of the end systems.

Should there be any compatibility issues, please contact MEAN WELL.

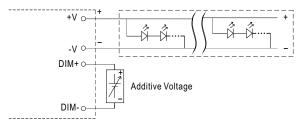


■ DIMMING OPERATION



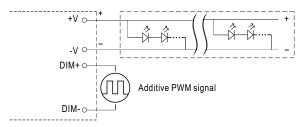
imes 3 in 1 dimming function (for B/AB-Type)

- Output constant current level can be adjusted by applying one of the three methodologies between DIM+ and DIM: 0 ~ 10VDC, or 10V PWM signal or resistance.
- · Direct connecting to LEDs is suggested. It is not suitable to be used with additional drivers.
- Dimming source current from power supply: $100\mu A$ (typ.)
- O Applying additive 0 ~ 10VDC



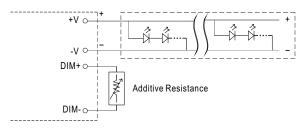
"DO NOT connect "DIM- to -V"

O Applying additive 10V PWM signal (frequency range 100Hz ~ 3KHz):

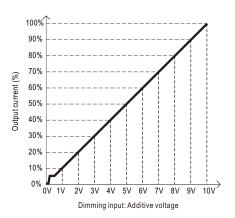


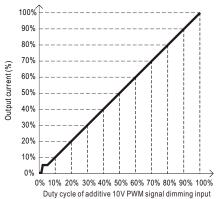
"DO NOT connect "DIM- to -V"

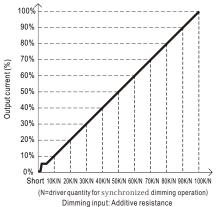
O Applying additive resistance:



"DO NOT connect "DIM- to -V"



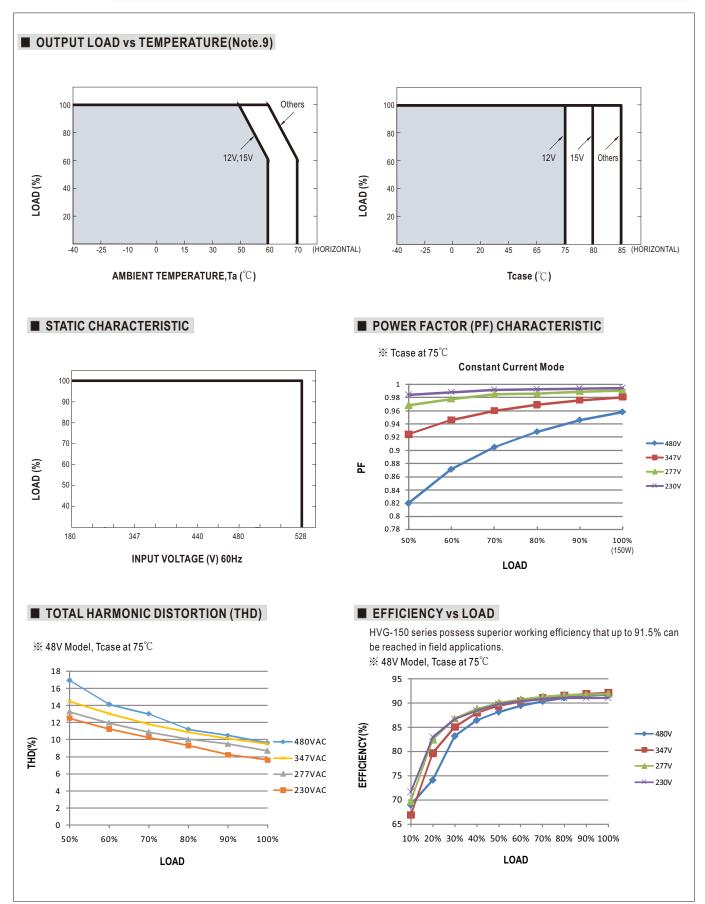




Note: 1. Min. dimming level is about 6% and the output current is not defined when 0% < Iout < 6%.

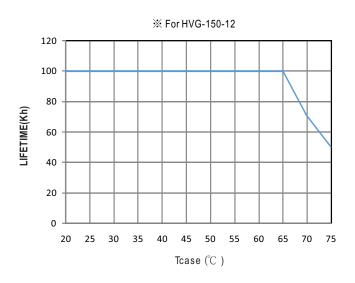
2. The output current could drop down to 0% when dimming input is about 0kΩ or 0Vdc, or 10V PWM signal with 0% duty cycle.

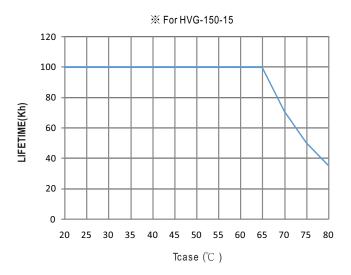


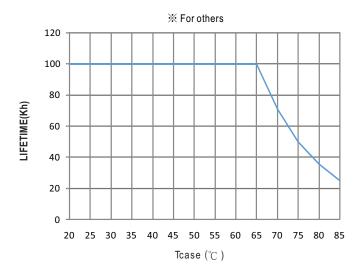


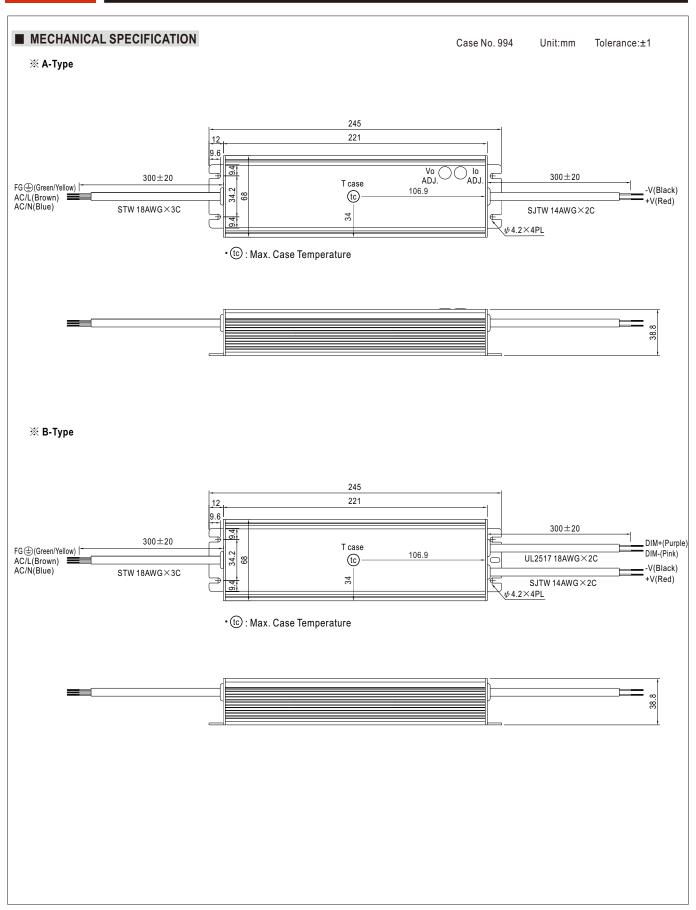


■ LIFE TIME

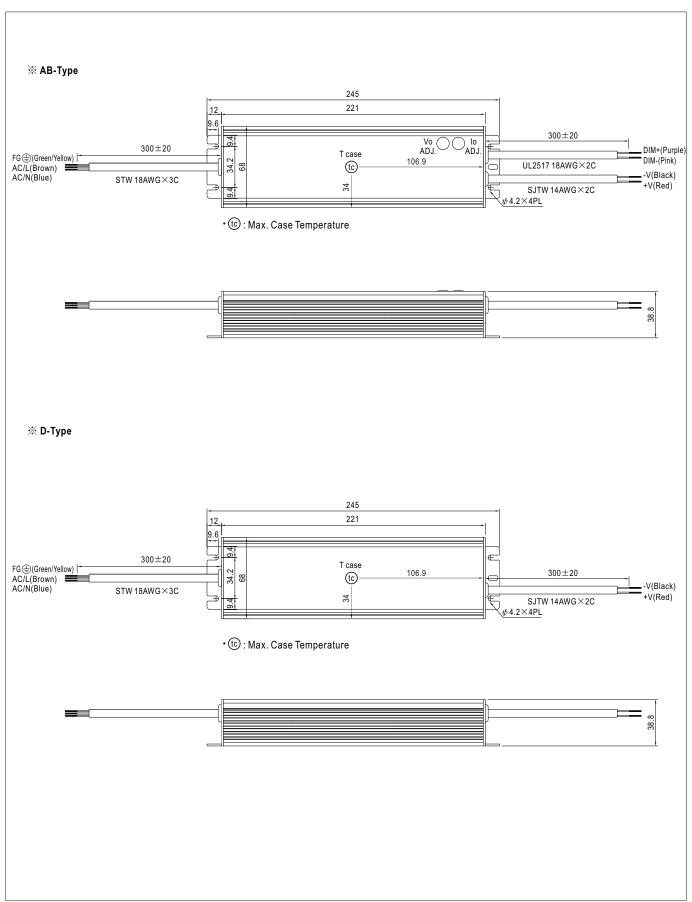












LED Lamp

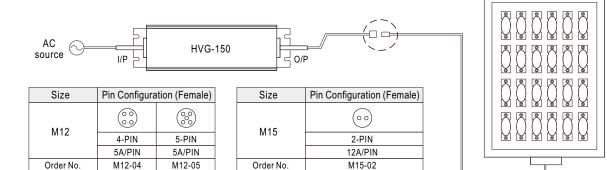
150W Constant Voltage + Constant Current LED Driver

■ WATERPROOF CONNECTION

X Waterproof connector

Waterproof connector can be assembled on the output cable of HVG-150 to operate in dry/wet/damp or outdoor environment.

Suitable Current

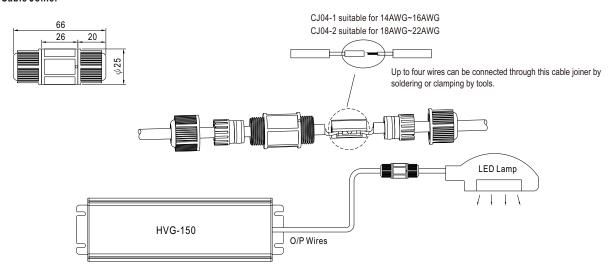


X Cable Joiner

Suitable Current

10A max.

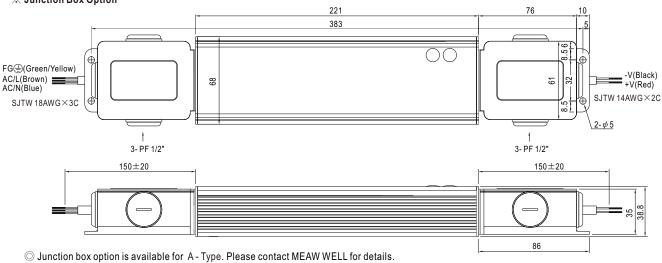
10A max.



12A max

CJ04 cable joiner can be purchased independently for user's own assembly. MEAN WELL order No.: CJ04-1, CJ04-2.





■ INSTALLATION MANUAL

Please refer to : http://www.meanwell.com/manual.html