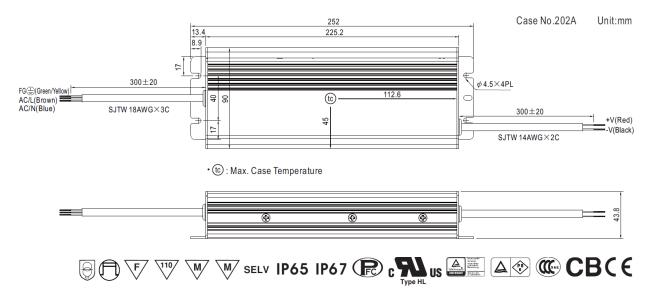


### 8 380 67 24 320 - IP67 LED power supply

#### **Product Features**

- Constant voltage + constant current mode output
- Metal housing with class 1 design
- Built-in active PFC function
- IP67 / IP65 rating for indoor or outdoor installations
- Function options: output adjustable via potentiometer; 3 in 1 dimming
- typical lifetime >62 000 hours
- 7 years warranty

#### 1. Dimension



## 2. Description

• HLG-320H series is a 320W AC/DC LED driver featuring the dual mode constant voltage and constant current output. HLG-320H operates from 90 ~ 305VAC and offers models with different rated voltage ranging between 12V and 54V. Thanks to the high efficiecy up to 94%, 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. HLG-320H is equipped with various function options, such as dimming methodologies, so to provide the optimal design flexibility for LED lighting system.

# 3. Specifications:

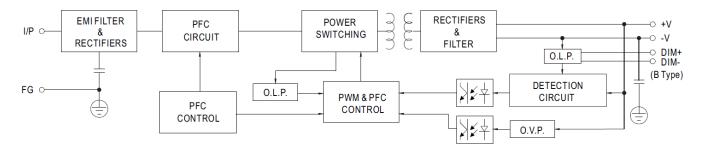
	Parameter	Value
Output	DC voltage	24,0VDC
	constant current region Note.1	12V~24V
	Rated current	13,34A
	Rated power	320,16W
	Efficiency (typ.)	94%
	Ripple & noise (max.) Note.2	150mVp-p
	Voltage ADJ. Range	21~26V
	Current ADJ Range	6,67~13,34A
	Voltage Tolerance Note.3	±1,0%
	Line regulation	±0,5%
	Load regulation	±0,5%
	Setup, rise time Note.4	2500ms, 80ms / 115VAC 500ms, 80ms /230VAC
	Hold up time (typ.)	15ms/115VAC, 230VAC
Input	Voltage range Note.5	90~305VAC 127~431VDC
	Frequency range	47~63Hz
	AC current	3,5A/115VAC 1,65A/230VAC 1,45A/277VAC
	Power Factor (typ.)	PF≥0.98/115VAC, PF≥0.95/230VAC, PF≥0.94/277VAC @ full load
	Total Harmonic Distortion	THD< 20% (@ load≥50% / 115VAC,230VAC; @ load≥75% / 277VAC)
	Max. No. of PSUs on 16A circuit breaker	1 units (circuit breaker of type B) / 2 units (circuit breaker of type C) at 230VAC
	Inrush current (max.)	Cold start 70A(twidth=1010μs measured at 50% Ipeak) at 230VAC; Per NEMA41
	Leakage current	<0,75mA / 277VAC
Protection	Over load	95 ~ 108%
		Constant current limiting, recovers autom. after condition is removed
	Over Voltage	27~34V
		Shut down and latch off o/p voltage, re-power on the recover
	Over Temperature	Shut down and latch off o/p voltage, re-power on the recover
Environment	Working temp.	$Tcase = -40 \sim +90^{\circ}C$
	Working humidity	20 ~ 90% RH non-condensing
	Storage temp., humidity	-40 ~ +80°C , 10 ~ 95% RH
	temp. coefficient	±0.03% / °C (0 ~ 50°C)
	vibration	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes
Safety & EMC	safety standards Note.6	UL1012,CAN/CSA-C22.2 No 107.1-01,UL8750(type "HL"),CSA C22.2 No.250.0;TUV EN61347-2-13 independent;UL60950-1,UL8750,TUV EN60950-1;IP65 or IP67;J61347-2-13 approved
	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 Note.6	Compliance to EN55015, EN55022 (CISPR22) Class B, EN61000-3-2 Class C (@ load≥50%) ; EN61000-3-3
	EMS immunity	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024, light industry leve (surge immunity Line-Earth 4KV, Line-Line 2KV)
2. Ripple 3. Tolera 4. Lengt 5. De-ra	ance: includes set up tolerance, line regulation h of set up time is measured at first cold sta	MODULE" dwidth by using a 12" twisted pair-wire terminated with a 0,1uf & 47uf parallel capacitor. on and load regulation. rt. Turning ON/OFF the driver may lead to increase of the set up time. es. Please refer to "STATIC CHARACTERISTIC" sections for details.

**LEDSGO BV** 

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# 4. Block diagram:

Fosc: 65KHz



#### 5. More information:

