VOLTAGE
24V

CURRENT
13.3A

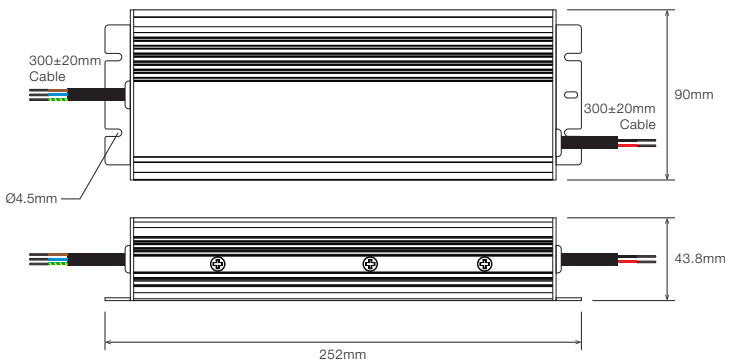
POWER
320W

Mean Well 320W Single Output Switching Power Supply

FEATURES

- Universal AC input / Full range (up to 305VAC)
- Built-in active PFC function
- High efficiency up to 95%
- Protections: Short circuit / Over current / Over voltage / Over temperature
- Cooling by free air convection
- OCP point adjustable through output cable or internal potentiometer
- IP67 / IP65 design for indoor or outdoor installations
- Type HL LED Driver for use in Class I, Division 2 hazardous location luminaires
- Three in one dimming function (1~10VDC or PWM signal or resistance)
- Suitable for LED lighting and street lighting applications
- Compliance to worldwide safety regulations for lighting
- Suitable for dry / damp / wet locations
- 5 years warranty

DIMENSIONS



TECHNICAL SPECIFICATIONS

Model		HLG-320H-12	HLG-320H-15	HLG-320H-20	HLG-320H-24	HLG-320H-30	HLG-320H-36	HLG-320H-42	HLG-320H-48	HLG-320H-54
Output	DC Voltage	12V	15V	20V	24V	30V	36V	42V	48V	54V
	Constant Current Region [4]	6 ~ 12V	7.5 ~ 15V	10 ~ 20V	12 ~ 24V	15 ~ 30V	18 ~ 36V	21 ~ 42V	24~48V	27~54V
	Rated Current	22A	19A	15A	13.34A	10.7A	8.9A	7.65A	6.7A	5.95A
	Rated Power	264W	285W	300W	320.16W	321W	320.4W	321.3W	321.6W	321.3W
	Ripple & Noise (max.) [2]	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	250mVp-p	250mVp-p	250mVp-p	350mVp-p
	Voltage Adj. Range [6]	10.8 ~ 13.5V	13.5 ~ 17V	17 ~ 22V	21 ~ 26V	26 ~ 32V	32 ~ 39V	38 ~ 45V	43 ~ 52V	49 ~ 58V
	Current Adj. Range	Can be adjusted by internal potentiometer A type only								
		11 ~ 22A	9.5 ~ 19A	7.5 ~ 15A	6.67 ~ 13.34A	5.35 ~ 10.7A	4.45 ~ 8.89A	3.8 ~ 7.65A	3.35 ~ 6.7A	2.97 ~ 5.95A
	Voltage Tolerance [3]	±3.0%	±2.0%	±1.5%	±1.0%	±1.0%	±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 [8]	2500ms, 80ms/115VAC		500ms, 80ms/230VAC at full load						
	Hold Up Time	15ms at full load		230VAC /115VAC						
Input	Voltage Range	90 ~ 305VAC		127 ~ 431VDC						
	Frequency Range	47 ~ 63Hz								
	Power Factor	PF>0.98/115VAC, PF>0.95/230VAC, PF>0.94/277VAC at full load (Please refer to "Power Factor Characteristic" curve)								
	Total Harmonic Distortion	THD< 20% when output loading ≥ 50% at 115VAC/230VAC input and output loading ≥ 75% at 277VAC input								
	Efficiency (Typ.) (230VAC)	91%	92.5%	93.5%	94%	94%	94.5%	95%	95%	95%
	Efficiency (Typ.) (277VAC)	91.5%	93%	94%	94.5%	94.5%	95%	95%	95%	95%
	AC Current (Typ.)	3.5A / 115VAC		1.65A / 230VAC		1.45A / 277VAC				
	Inrush Current (Typ.)	COLD START 70A (twidth=1010μs measured at 50% Ipeak) at 230VAC								
	Leakage Current	<0.75mA / 277VAC								
Protection	Over Current [4]	95 ~ 108%								
		Protection type : Constant current limiting, recovers automatically after fault condition is removed								
	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed								
	Over Voltage	14 ~ 17V	17.5 ~ 21V	22.5 ~ 27V	27 ~ 33V	33 ~ 37V	40 ~ 46V	46.5 ~ 53V	53.5 ~ 60V	59 ~ 65V
		Protection type : Shut down and latch off o/p voltage, re-power on to recover								
	Over Temperature	Shut down and latch off o/p voltage, re-power on to recover								
Environment	Working Temp.	-40 ~ +70°C (Refer to "Derating Curve")								
	Working Humidity	20 ~ 95% 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 [7]	UL8750, CSA C22.2 No. 250.0-08, EN61347-1, EN61347-2-13 independent, IP65 or IP67 (except for HLG-320H C type), J61347-1, J61347-2-13 (except for HLG-320H C type) 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	Compliance to EN55015, EN55022 (CISPR22) Class B, EN61000-3-2 Class C (≥50% load) ; EN61000-3-3								
	EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024, light industry level (surge 4KV), criteria B								
Others	MTBF	257.1Khrs min.		MIL-HDBK-217F (25°C)						
	Dimension (LxWxH)	252 x 90 x 43.8mm								
	Packing	1.88Kg; 8pcs / 16Kg / 0.92cu.ft								

[1] All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
[2] Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
[3] Tolerance : includes set up tolerance, line regulation and load regulation.
[4] Please refer to "DRIVING METHODS OF LED MODULE" in Meanwell's specification sheet
[5] Derating may be needed under low input voltages. Please check the static characteristics in Meanwell's specification sheet for more details.
[6] A type only and C type only.
[7] Safety and EMC design refer to EN60598-1, subject CNS15233, GB7000.1, FCC part18.
[8] Length of set up time is measured at cold first start. Turning ON/OFF the power supply may lead to increase of the set up time.
[9] The power supply 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.
[10] To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED power supply can only be used behind a switch without permanently connected to the mains.

ORDERING EXAMPLE

PWR-HLG320W-24
IP67 rated. Cable for I/O connection

PWR-HLG320W-24-A
A: IP65 rated. Output voltage and constant current level can be adjusted through internal potentiometer.

PWR-HLG320W-24-B
B: IP67 rated. Constant current level adjustable through output cable with 1~10VDC or 10V PWM signal or resistance.

PWR-HLG320W-24-C
C: Terminal block for I/O connection. Output voltage and constant current level can be adjusted through internal potentiometer.