

200W Single Output LED Power Supply

HLG-185H-C series



Features :

- Constant current design
- Universal AC input / Full range (up to 305VAC)
- Built-in active PFC function
- High efficiency up to 94%
- * Protections: Short circuit / Over voltage / Over temperature
- Cooling by free air convection
- Output current adjustable through output cable or internal potentiometer
- IP67 / IP65 design for indoor or outdoor installations
- Three in one dimming function (1~10Vdc or 10V PWM signal or resistance)
- Suitable for dry / damp / wet locations
- 7 years warranty (Note.5)



HLG-185H-C500 A A : IP65 rated. Constant current level can be adjusted through internal potentiometer. B : IP67 rated. Constant current level adjustable through output cable with 1~10Vdc or 10V PWM signal or resistance. D (option) : IP67 rated. Timer dimming function, contact MEAN WELL for details.

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MODEL		HLG-185H-C500	HLG-185H-C700	HLG-185H-C1050	HLG-185H-C1400
	RATED CURRENT	500mA	700mA	1050mA	1400mA
OUTPUT	CURRENT ACCURACY	±5.0%			
	CONSTANT CURRENT REGION Note.6	200V ~ 400V	143V ~ 286V	95V ~ 190V	71V ~ 143V
	RATED POWER	200W	200.2W	199.5W	200.2W
	RIPPLE CURRENT	±5%	1		
	RIPPLE & NOISE	2Vp-p	1.5Vp-p	1Vp-p	1Vp-p
		Can be adjusted by internal potentiometer (A type only)			
	CURRENT ADJ. RANGE	250 ~ 500mA	350 ~ 700mA	525 ~ 1050mA	700 ~ 1400mA
	LINE REGULATION	±1%	±1%	±1%	±1%
	SETUP, RISE TIME	1000ms, 80ms / 115VAC at ful	ll load 500ms, 80ms / 230V	AC at full load	
	HOLD UP TIME (Typ.)	16ms at full load 230VAC / 115VAC			
INPUT	,	90 ~ 305VAC 127VDC ~ 431VDC			
	FREQUENCY RANGE	47~63Hz			
	POWER FACTOR (Typ.)	PF>0.98/115VAC, PF>0.96/230VAC, PF>0.94/277VAC at full load (Please refer to "Power Factor Characteristic" curve)			
		THD< 20% when output loading \geq 50% at 115VAC/230VAC input and output loading \geq 75% at 277VAC input			
	EFFICIENCY (Typ.)	94%	94%	94%	94%
	AC CURRENT (Typ.)	2A / 115VAC 1A / 230V		0170	0.170
	INRUSH CURRENT (Typ.)	COLD START 55A(twidth=900/µs measured at 50% lpeak) at 230VAC			
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	2 units (circuit breaker of type B) / 3 units (circuit breaker of type C) at 230VAC			
	LEAKAGE CURRENT	<0.75mA / 277VAC			
PROTECTION	SHORT CIRCUIT	Constant current limiting, recovers automatically after fault condition is removed			
	OVER VOLTAGE	450~470V	320~340V	210~225V	160~170V
		Protection type : Shut down of	o/p voltage with auto-recove	ry or re-power on to recovery	
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down			
ENVIRONMENT	WORKING TEMP.	-40 ~ +70°C (Refer to "Derating Curve")			
		10 ~ 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 STANDARDS Note.3				
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC			
SAFETY &	ISOLATION RESISTANCE				
EMC		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 (≥50% load) ; EN61000-3-3			
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61547, heavy industry level (surge L,N-FG: 4KV), criteria A 191.9K hrs min. MIL-HDBK-217F (25℃)			
OTHERS	MTBF				
	DIMENSION	228*68*38.8mm (L*W*H)	FT		
	PACKING	1.15Kg; 12pcs/14.8Kg/0.8CUFT			
NOTE	 Derating may be needed ur Safety and EMC design refi The power supply is consid complete installation, the fin Refer to warranty statement Please refer to "DRIVING M 	Illy mentioned are measured at 230VAC input, rated load and 25 [°] C of ambient temperature. nder low input voltages. Please check the static characteristics for more details. fer to EN60598-1, CNS15233, GB7000.1. gered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the nal equipment manufacturers must re-qualify EMC Directive on the complete installation again. it. METHODS OF LED MODULE". e latest ErP regulation for lighting fixtures, this LED power supply can only be used behind a switch without permanently			



HLG-185H-C series



File Name:HLG-185H-C-SPEC 2015-07-23











A typical LED power supply may work in "constant current mode (CC)" to drive the LEDs. Mean Well's LED power supply with CC characteristic can be operated at CC mode (direct drive).



Typical LED power supply I-V curve

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.







■ WATERPROOF CONNECTION

◎ Waterproof connector

Waterproof connector can be assembled on the output cable of HLG-185H-C to operate in dry/wet/damp or outdoor environment.



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