

90W Single Output LED Power Supply

HLG-80H-C series



Features :

- Constant current design
- Universal AC input / Full range (up to 305VAC)
- Built-in active PFC function
- High efficiency up to 91.5%
- 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
- 5 years warranty (Note.5)



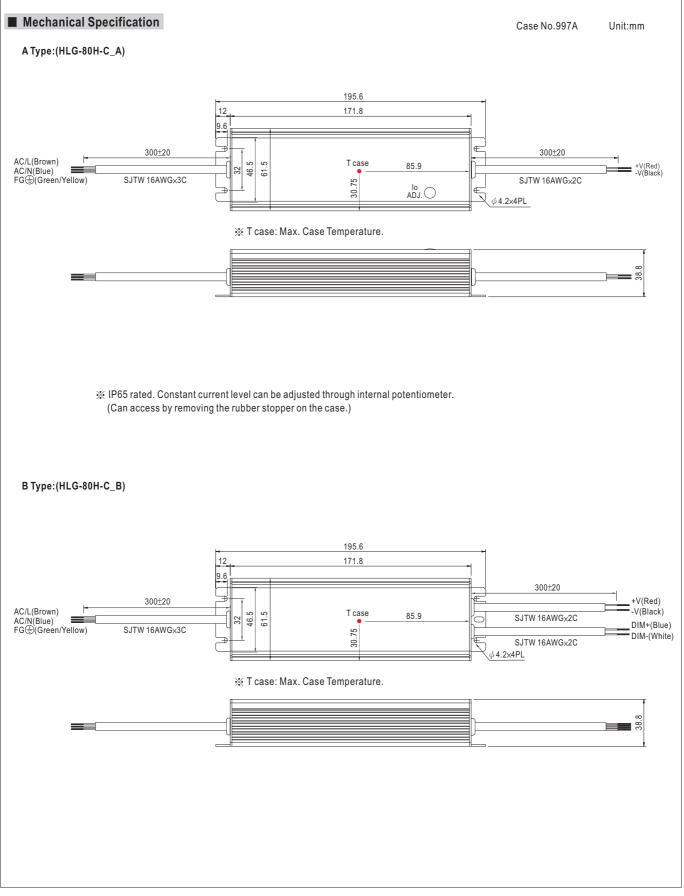
HLG-80H-C350 A : IP65 rated. Constant current level can be adjusted through internal potentiometer. B : IP67 rated. Constant current level adjustable through output cable with 1~10Vdc or 10V PWM signal or resistance.

D (option) : IP67 rated. Timer dimming function, contact MEAN WELL for details.

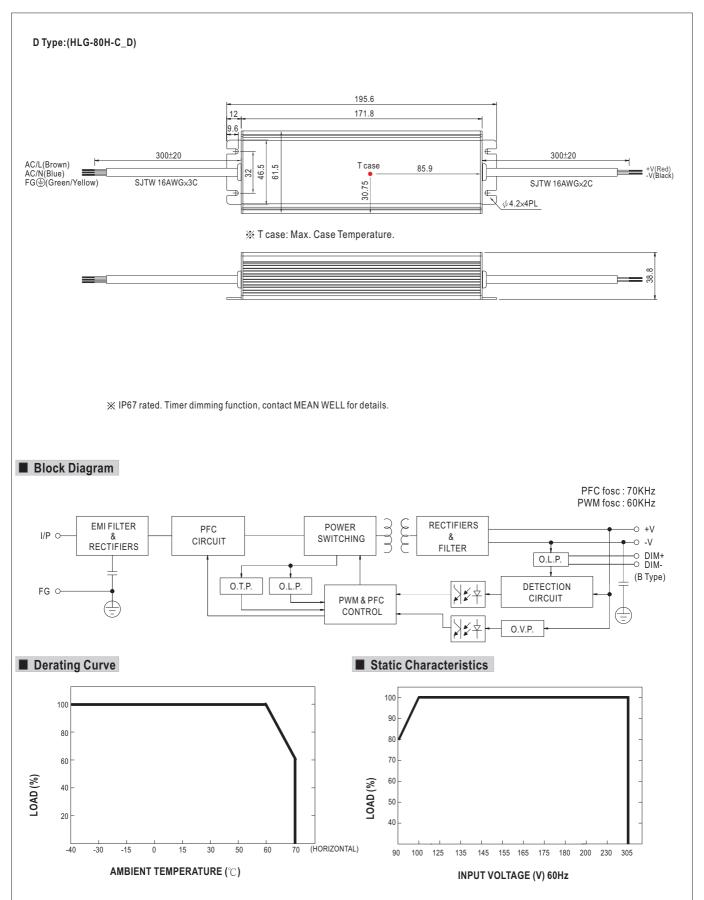
SPECIFICATION

MODEL		HLG-80H-C350	HLG-80H-C700	
OUTPUT	RATED CURRENT	350mA	700mA	
	CURRENT ACCURACY	±5.0%		
	CONSTANT CURRENT REGION Note.6	A type : 128V ~ 257V B type : 167V ~ 257V	A type : 64V ~ 129V B type : 84V ~ 129V	
	RATED POWER	89.95W	90.3W	
	RIPPLE CURRENT	±5%		
	RIPPLE & NOISE	1Vp-p	0.5Vp-p	
	CURRENT ADJ. RANGE	Can be adjusted by internal potentiometer A type only		
		210 ~ 350mA	420 ~ 700mA	
	LINE REGULATION	±1%	±1%	
	SETUP, RISE TIME	1800ms, 80ms at full load 230VAC /115VAC		
	HOLD UP TIME (Typ.)	16ms at full load 230VAC / 115VAC		
INPUT	VOLTAGE RANGE Note.2	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 loa	ad (Please refer to "Power Factor Characteristic" curve)	
	EFFICIENCY (Typ.)	91.5%	91.5%	
	AC CURRENT (Typ.)	0.88A / 115VAC 0.45A / 230VAC 0.38A / 277VAC		
	INRUSH CURRENT (Typ.)	COLD START 70A / 230VAC		
	LEAKAGE CURRENT	<0.75mA/277VAC		
PROTECTION	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed		
	OVER VOLTAGE	300~340V	150~170V	
		Protection type : Shut down o/p voltage with auto-recovery or re-power on to recovery		
		85°C ±10°C (RTH2)		
	OVER TEMPERATURE	Protection type : Shut down o/p voltage, re-power on to recover		
ENVIRONMENT	WORKING TEMP.	-40 ~ +70°C (Refer to "Derating Curve")		
	WORKING HUMIDITY	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 & EMC	SAFETY STANDARDS Note.3	UL8750, CSA C22.2 No. 250.0-08, EN61347-1, EN61347-2-13 independent, IP65 or IP67 approved		
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC		
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH		
	EMC EMISSION	Compliance to EN55015, 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		
OTHERS	MTBF	309.7K hrs min. MIL-HDBK-217F (25°C)		
	DIMENSION	195.6*61.5*38.8 mm (L*W*H)		
	PACKING	0.84Kg; 16pcs/14.4Kg/0.54CUFT		
NOTE	 All parameters NOT specia Derating may be needed ur Safety and EMC design ref The power supply is consid complete installation, the fir Refer to warranty statemen Constant current operation 	ally mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. Inder low input voltages. Please check the static characteristics for more details. Inder das a component that will be operated in combination with final equipment. Since EMC performance will be affected by the inal equipment manufacturers must re-qualify EMC Directive on the complete installation again. Int. I region is within 50% ~100% rated output voltage. This is the suitable operation region for LED related applications, but please I requirements for some specific system design.		

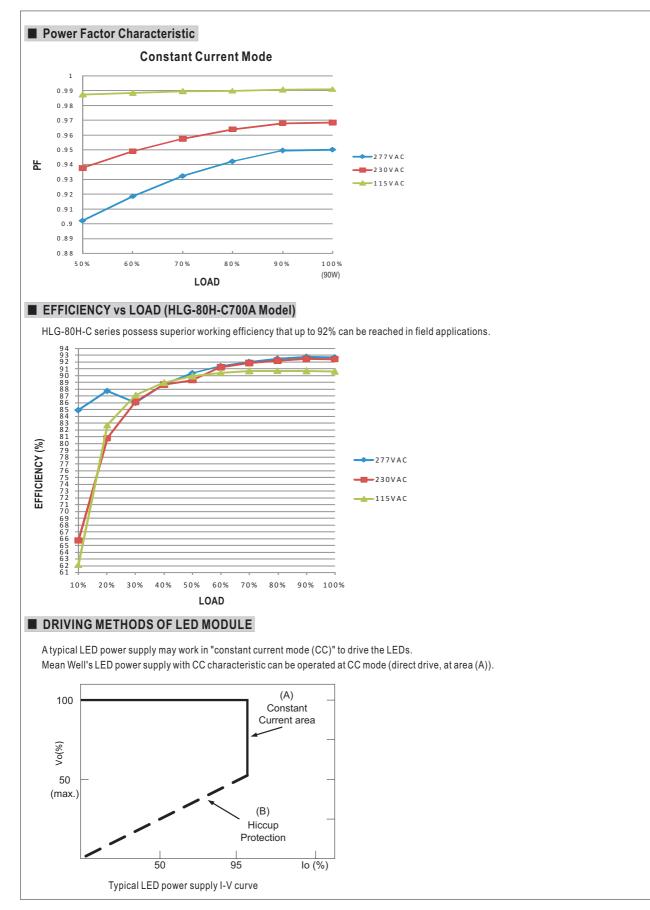




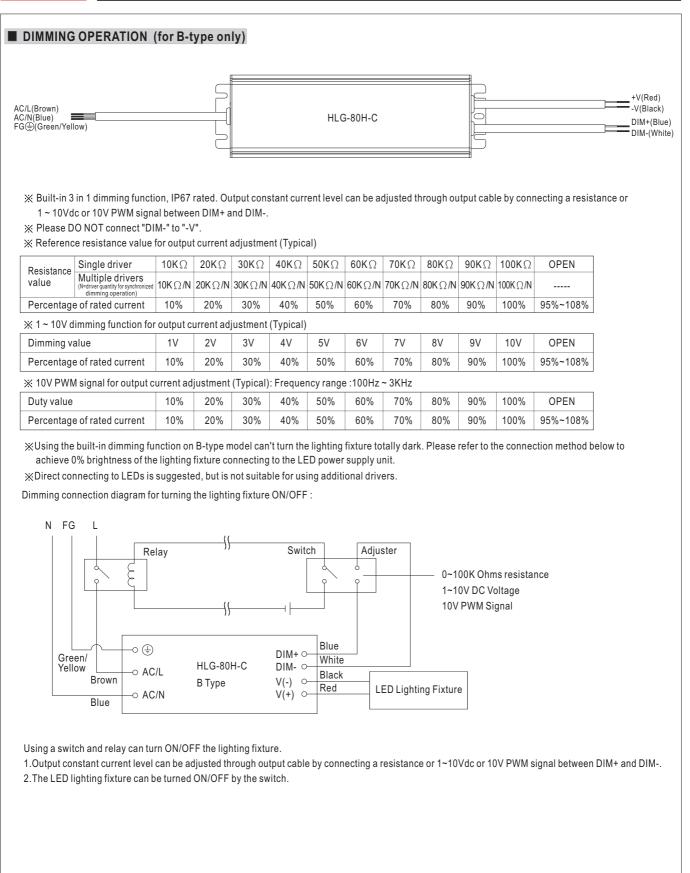










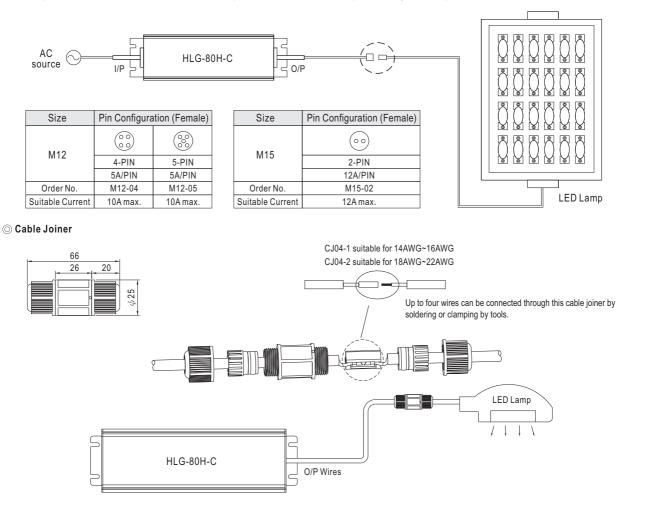




■ WATERPROOF CONNECTION

O Waterproof connector

Waterproof connector can be assembled on the output cable of HLG-80H-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.