

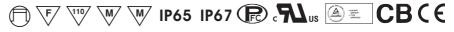
#### 90W Single Output LED Power Supply

### 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)



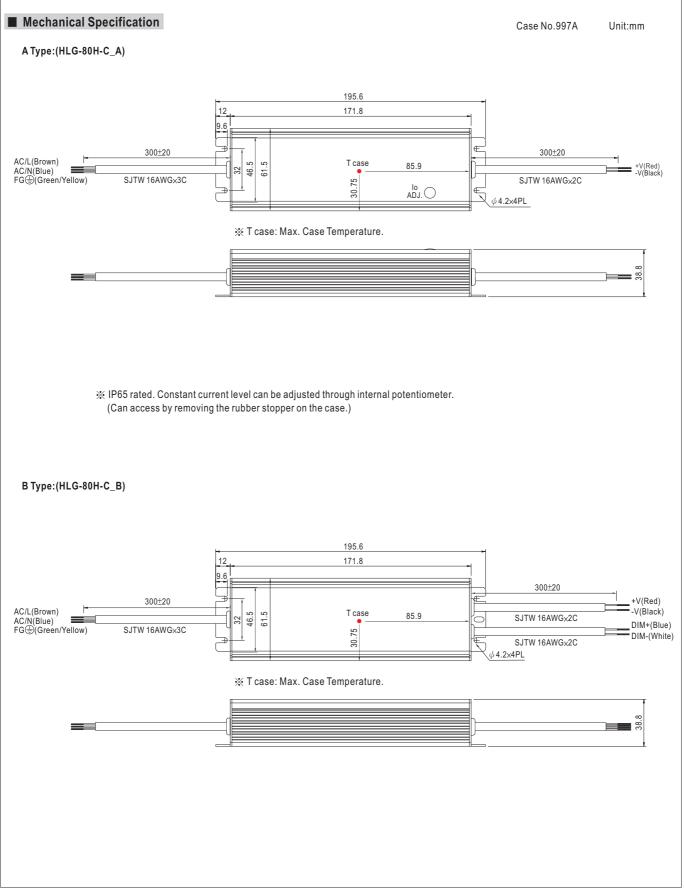
HLG-80H-C350 A : IP65 rated. Constant current level can be adjusted through internal potentiometer. B : IP67 rated. Constant current level adjustable through output cable with 1~10Vdc or 10V PWM signal or resistance.

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

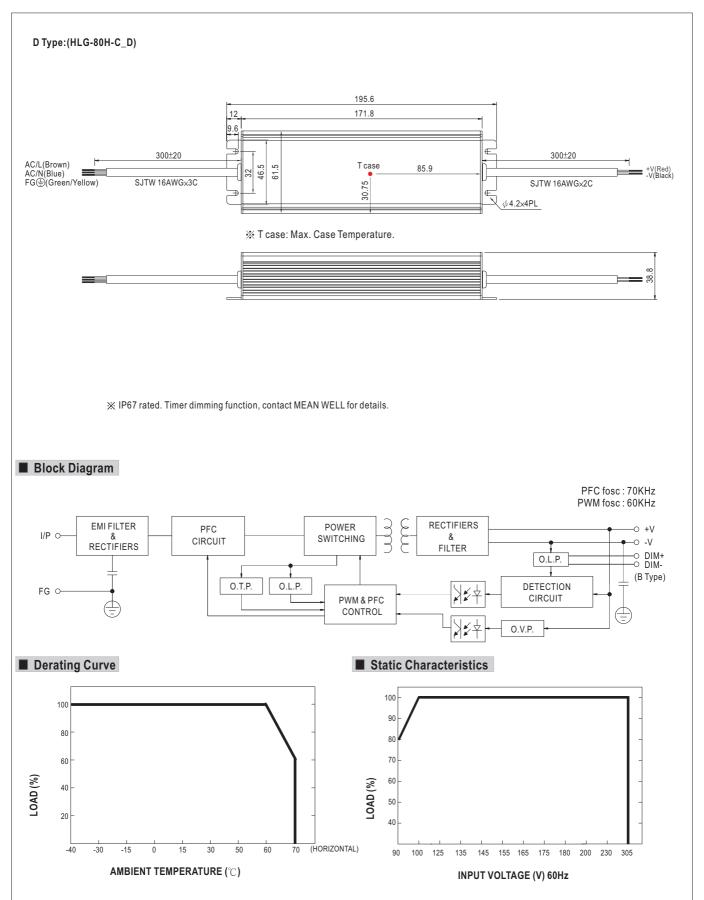
#### **SPECIFICATION**

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	<ol> <li>All parameters NOT specia</li> <li>Derating may be needed ur</li> <li>Safety and EMC design ref</li> <li>The power supply is consid complete installation, the fir</li> <li>Refer to warranty statemen</li> <li>Constant current operation</li> </ol>	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.		

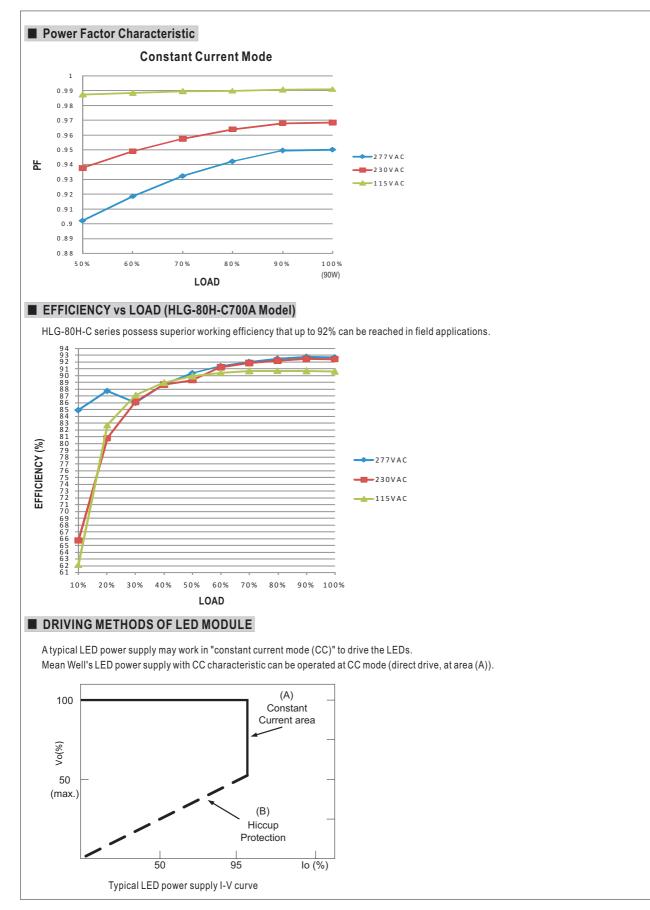




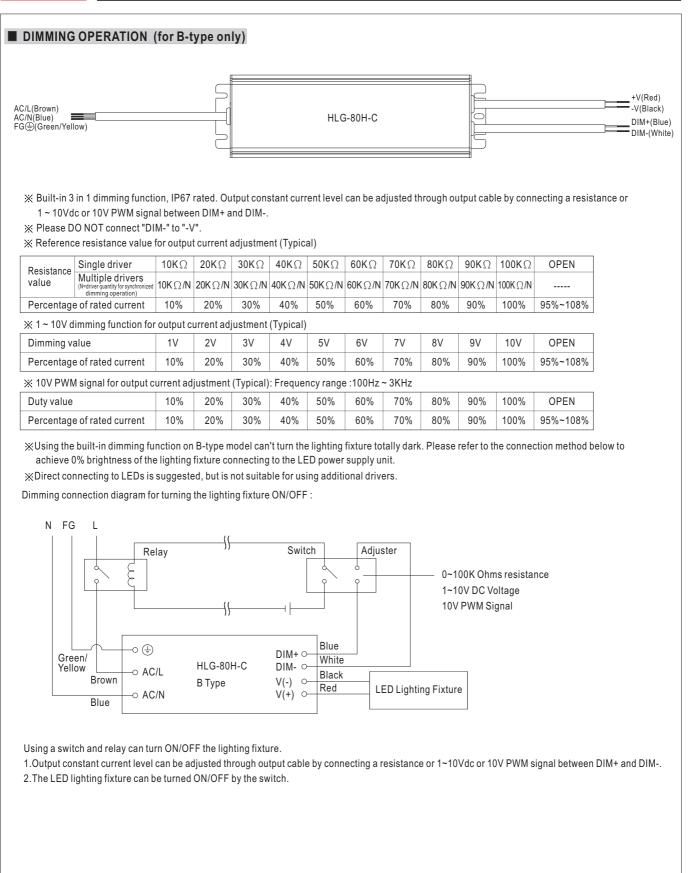










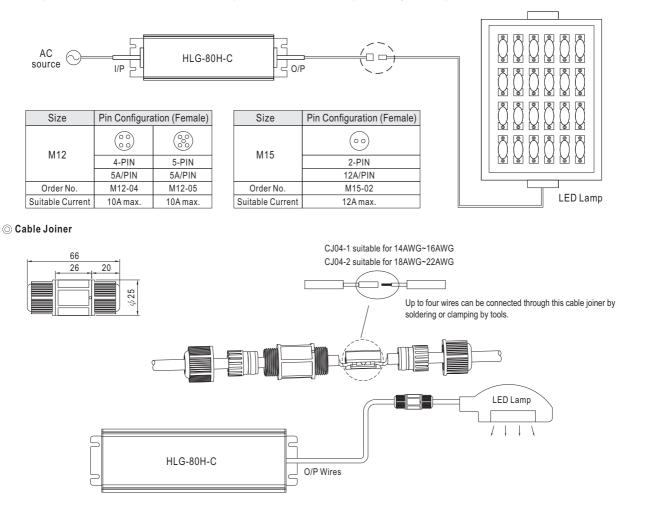




#### ■ WATERPROOF CONNECTION

#### 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.