

#### 70W Single Output LED Power Supply

### HLG-60H-C series

**CB**(€



#### Features :

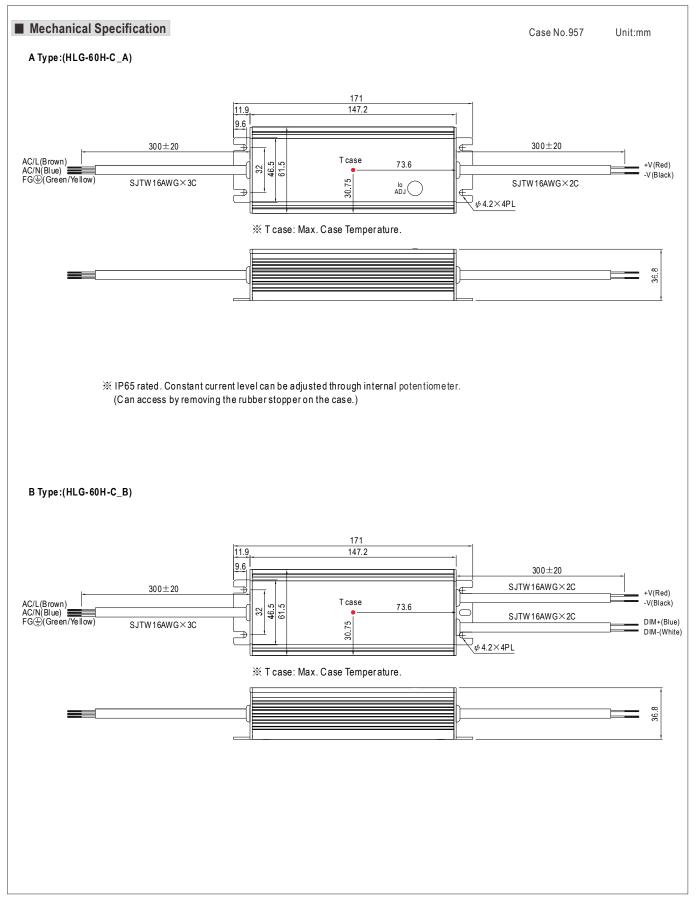
- · Constant current design
- Universal AC input / Full range (up to 305VAC)
- Built-in active PFC function
- High efficiency up to 91%
- Protections: Short circuit / Over voltage / Over temperature
- Cooling by free air convection
- Output current adjustable through output cable or internal potentiometer
- 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-60H-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.

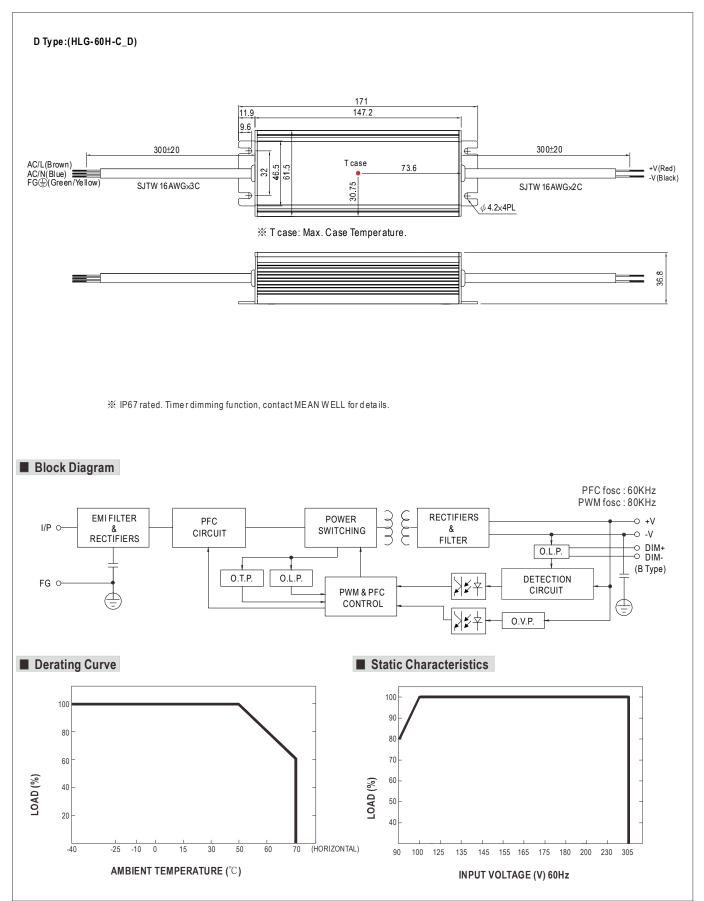
#### SPECIFICATION

MODEL		HLG-60H-C350	HLG-60H-C700	
	RATED CURRENT	350mA	700mA	
OUTPUT	CURRENT ACCURACY	±5.0%		
	CONSTANT CURRENT REGION Note.6	100 ~ 200V	50 ~ 100V	
	RATED POWER	70W	70W	
	RIPPLE CURRENT	±5%		
	RIPPLE & NOISE Note.7	1Vp-p	0.5Vp-p	
	CURRENT ADJ. RANGE	Can be adjusted by internal potentiometer A type only		
		210 ~ 350mA	420 ~ 700mA	
	LINE REGULATION	土1%	土1%	
	SETUP, RISE TIME	750ms, 80ms / 115VAC at full load 500ms, 80ms / 230VAC at full	ull load	
	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 load (Please refer to "Power Factor Characteristic" curve)		
	TOTAL HARMONIC DISTORTION	THD< 20% when output loading≧60% at 115VAC/230VAC input and output loading≧75% at 277VAC input		
	EFFICIENCY (Typ.)	91%	90.5%	
	AC CURRENT (Typ.)	0.69A / 115VAC 0.35A / 230VAC 0.29A / 277VAC		
	INRUSH CURRENT (Typ.)	COLD START 60A(twidth=275µs measured at 50% Ipeak) at 230VAC		
	LEAKAGE CURRENT	<0.75mA / 277VAC		
PROTECTION	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed		
	OVER VOLTAGE	230~250V	120~140V	
		Protection type : Shut down o/p voltage with auto-recovery or re-power on to recovery		
	OVER TEMPERATURE	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 &	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:1.5KVAC		
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH		
EMC	EMC EMISSION	Compliance to EN55015, EN61000-3-2 Class C (≧60% 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	338K hrs min. MIL-HDBK-217F (25°C)		
	DIMENSION	171*61.5*36.8 mm (L*W*H)		
	PACKING	0.73Kg; 20pcs/15.6Kg/0.9CUFT		
NOTE	<ol> <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>Please refer to "DRIVING M</li> <li>Ripple &amp; noise are measure</li> <li>To fulfill requirements of the</li> </ol>	All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 <sup>°C</sup> of ambient temperature. Derating may be needed under low input voltages. Please check the static characteristics for more details. Safety and EMC design refer to EN60598-1, CNS15233, GB7000.1. 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. Refer to warranty statement. Please refer to "DRIVING METHODS OF LED MODULE". Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 2.2uf parallel capacitor. 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.		

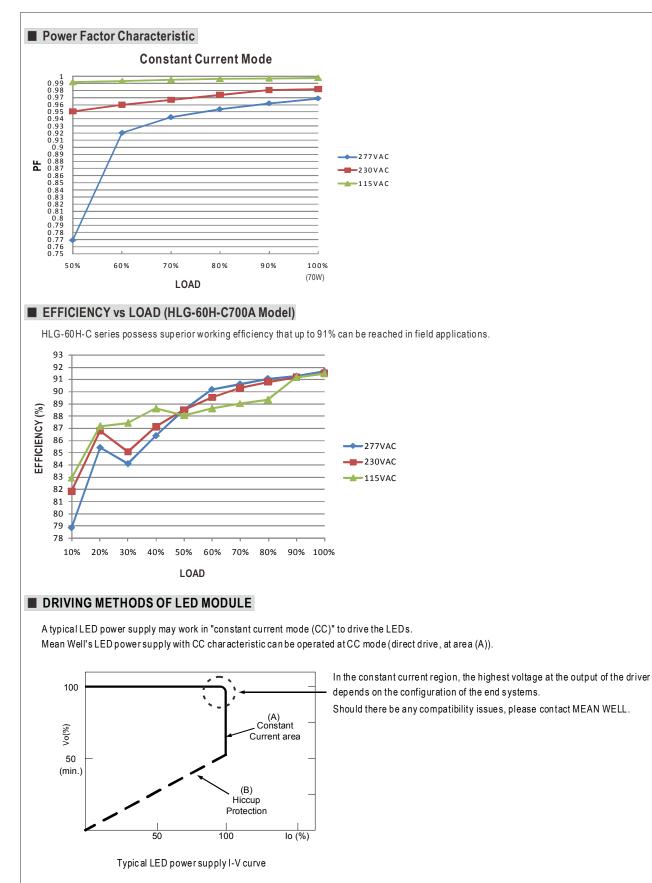




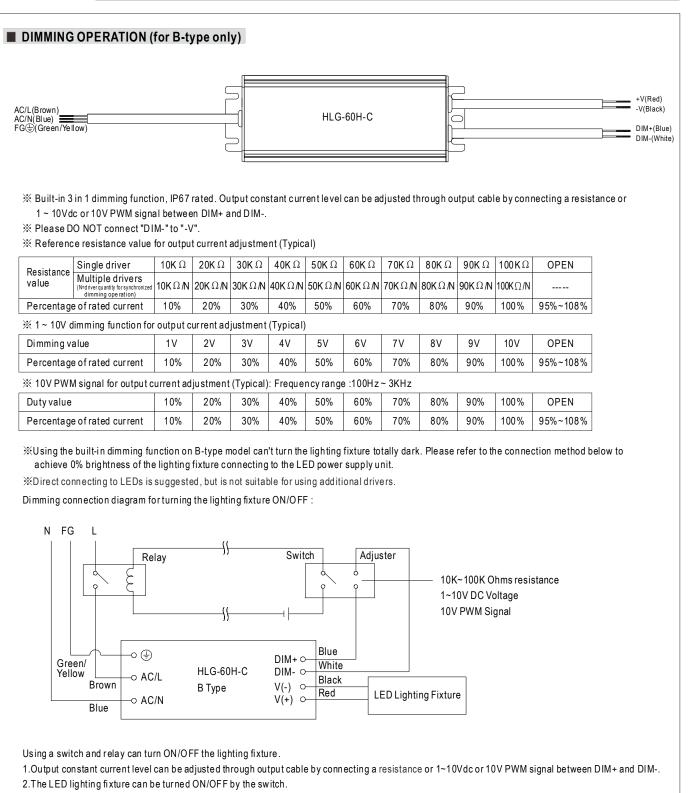














#### WATERPROOF CONNECTION

#### $\bigcirc$ Waterproof connector

Waterproof connector can be assembled on the output cable of HLG-60H-C to operate in dry/wet/damp or outdoor environment.

