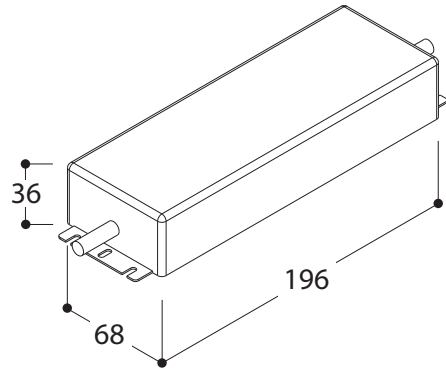
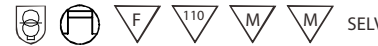


40084: CONVERTER 230V LED 24V 120VA IP67 DIMMABLE 1-10V



Features :

- Universal AC input / Full range (up to 305VAC)
- Built-in active PFC function
- High efficiency up to 93.5%
- Protections: Short circuit / Over current / Over voltage / Over temperature
- Cooling by free air convection
- OCP point adjustable through output cable or internal potentiometer
- IP67 design for indoor or outdoor installations
- 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



SPECIFICATION

MODEL	HLG-120H-12	HLG-120H-15	HLG-120H-20	HLG-120H-24	HLG-120H-30	HLG-120H-36	HLG-120H-42	HLG-120H-48	HLG-120H-54
OUTPUT									
DC VOLTAGE	12V	15V	20V	24V	30V	36V	42V	48V	54V
CONSTANT CURRENT REGION <small>Note.4</small>	6 ~ 12V	7.5 ~ 15V	10 ~ 20V	12 ~ 24V	15 ~ 30V	18 ~ 36V	21 ~ 42V	24 ~ 48V	27 ~ 54V
RATED CURRENT	10A	8A	6A	5A	4A	3.4A	2.9A	2.5A	2.3A
RATED POWER	120W	120W	120W	120W	120W	122.4W	121.8W	120W	124.2W
RIPPLE & NOISE (max.) <small>Note.2</small>	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p
VOLTAGE ADJ. RANGE <small>Note.6</small>	10.8 ~ 13.5V	13.5 ~ 17V	17 ~ 22V	22 ~ 27V	27 ~ 33V	33 ~ 40V	38 ~ 46V	43 ~ 53V	49 ~ 58V
CURRENT ADJ. RANGE	Can be adjusted by internal potentiometer A type only								
VOLTAGE TOLERANCE <small>Note.3</small>	±2.5%	±2.0%	±1.0%	±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%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
SETUP, RISE TIME <small>Note.8</small>	2500ms, 50ms at full load 230VAC / 115VAC ; B type 2500ms, 200ms at 95% load 230VAC / 115VAC								
HOLD UP TIME (Typ.)	12ms at full load 230VAC / 115VAC								
INPUT									
VOLTAGE RANGE <small>Note.5</small>	90 ~ 305VAC 127 ~ 431VDC								
FREQUENCY RANGE	47 ~ 63Hz								
POWER FACTOR (Typ.)	PF>0.98/115VAC, PF>0.95/230VAC, PF>0.93/277VAC 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.)	92%	92%	93%	93%	93%	93%	93%	93.5%	93.5%
AC CURRENT (Typ.)	1.4A / 115VAC 0.6A / 230VAC 0.55A / 277VAC								
INRUSH CURRENT (Typ.)	COLD START 60A (t _{width} =375μs measured at 50% I _{peak}) at 230VAC								
LEAKAGE CURRENT	<0.75mA / 277VAC								
PROTECTION									
OVER CURRENT	95 ~ 108% Protection type : Constant current limiting, recovers automatically after fault condition is removed								
SHORT CIRCUIT	Constant current limiting, recovers automatically after fault condition is removed								
OVER VOLTAGE	14 ~ 17V	18 ~ 21V	23 ~ 27V	28 ~ 34V	34 ~ 38V	41 ~ 46V	47 ~ 53V	54 ~ 63V	59 ~ 65V
OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down								
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 <small>Note.7</small>	UL8750, CSA C22.2 No. 250.0-08, ENEC, TUV EN61347-1, EN61347-2:13 independent IP65 or IP67, J61347-1, J61347-2:13 approved ; design refer to UL60950-1, TUV EN60950-1								
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, 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 A								
OTHERS									
MTBF	192.2K hrs min. MIL-HDBK-217F (25°C)								
DIMENSION	220*68*38.8mm (L*W*H)								
PACKING	1.12Kg; 12pcs/14.4Kg/0.8CUFT								
NOTE	<ol style="list-style-type: none"> All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μf & 47μf parallel capacitor. Tolerance : includes set up tolerance, line regulation and load regulation. Please refer to "DRIVING METHODS OF LED MODULE". Derating may be needed under low input voltages. Please check the static characteristics for more details. A type only. Safety and EMC design refer to EN60598-1, CNS15233, GB7000.1, FCC part18. 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. 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. 								

