



- Features :
  - Universal AC input / Full range (up to 305VAC)
  - Built-in active PFC function
  - High efficiency up to 95%
  - Protections: Short circuit / Over current / Over voltage / Over temperature
  - Cooling by free air convection
  - OCP point adjustable through output cable or internal potentiometer
  - IP67 / IP65 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 location
  - 5 years warranty (Note.10)



HLG-320H-12 [A] Blank : IP67 rated. Cable for I/O connection.  
 A : IP65 rated. Output voltage and constant current level can be adjusted through internal potentiometer.  
 B : IP67 rated. Constant current level adjustable through output cable with 1~10Vdc or PWM signal or resistance.  
 C : Terminal block for I/O connection. Output voltage and constant current level can be adjusted through internal potentiometer.  
 D (option) : IP67 rated. Timer dimming function, contact **PRINCIPAL LED** for details.

**SPECIFICATION**

<b>MODEL</b>		PL-MV264-12 <input type="checkbox"/>	
<b>OUTPUT</b>	DC VOLTAGE	12V	
	CONSTANT CURRENT REGION Note.4	6 ~ 12V	
	RATED CURRENT	22A	
	RATED POWER	264W	
	RIPPLE & NOISE (max.) Note.2	150mVp-p	
	VOLTAGE ADJ. RANGE Note.6	10.8 ~ 13.5V	
	CURRENT ADJ. RANGE	Can be adjust 11 ~ 22A	
	VOLTAGE TOLERANCE Note.3	± 3.0%	
	LINE REGULATION	± 0.5%	
	LOAD REGULATION	± 2.0%	
SETUP, RISE TIME Note.8	2500ms,80ms/115VAC 500ms,80ms/230VAC at full load		
HOLD UP TIME (Typ.)	15ms at full load 230VAC /115VAC		
<b>INPUT</b>	VOLTAGE RANGE Note.5	90 ~ 305VAC 127 ~ 431VDC	
	FREQUENCY RANGE	47 ~ 63Hz	
	POWER FACTOR (Typ.)	PF>0.98/115VAC, PF>0.95/230VAC, PF>0.94/277VAC 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.) (230Vac)	91%	
	EFFICIENCY (Typ.) (277Vac)	91.5%	
	AC CURRENT (Typ.)	3.5A / 115VAC 1.65A / 230VAC 1.45A / 277VAC	
	INRUSH CURRENT(Typ.)	COLD START 70A(twidth=1010μs measured at 50% Ipeak) at 230VAC	
LEAKAGE CURRENT	<0.75mA / 277VAC		
<b>PROTECTION</b>	OVER CURRENT Note.4	95 ~ 108%	
	SHORT CIRCUIT	Protection type : Constant current limiting, recovers automatically after fault condition is removed	
	OVER VOLTAGE	14 ~ 17V Protection type : Shut down and latch off o/p voltage, re-power on to recover	
	OVER TEMPERATURE	Shut down and latch off o/p voltage, re-power on to recover	
<b>ENVIRONMENT</b>	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	
<b>SAFETY &amp; EMC</b>	SAFETY STANDARDS Note.7	UL8750, ENG61347-1, EN61347-2-13 independent, IP65 or IP67 (except for HLG-320H C type), J61347-1, J61347-2-13 (except for HLG-320H C type) 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 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 B	
<b>OTHERS</b>	MTBF	157.1K hrs min. MIL-HDBK-217F (25°C)	
	DIMENSION	252*90*43.8mm (L*W*H)	
	PACKING	1.88Kg; 8pcs/16Kg/0.92CUFT	
<b>NOTE</b>	<ol style="list-style-type: none"> <li>All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>Tolerance : includes set up tolerance, line regulation and load regulation.</li> <li>Please refer to "DRIVING METHODS OF LED MODULE".</li> <li>Derating may be needed under low input voltages. Please check the static characteristics for more details.</li> <li>A type and C type only.</li> <li>Safety and EMC design refer to EN60598-1, subject CNS15233, GB7000.1, FCC part18.</li> <li>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.</li> <li>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.</li> <li>Refer to warranty statement.</li> <li>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.</li> </ol>		

