PRINCIPAL LED
WE SPEAK SIGN LANGUAGE

P-OH264-12-MW

■ 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)

SELV IP65 IP67

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

MODEL		PL-MV264-12 □
OUTPUT	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
INPUT	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
PROTECTION	OVER CURRENT Note.4	95 ~ 108% Protection type : Constant current limiting, recovers automatically after fault condition is removed
	SHORT CIRCUIT	Hiccup mode, 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
ENVIRONMENT	WORKING TEMP.	-40 ~ +70℃ (Refer to "Derating Curve")
	WORKING HUMIDITY	20 ~ 95% RH non-condensing
	STORAGE TEMP., HUMIDITY	-40 ~ +80℃, 10 ~ 95% RH
	TEMP. COEFFICIENT	±0.03%/℃ (0 ~ 50℃)
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes
SAFETY & EMC	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℃/ 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
OTHERS	MTBF	157.1K hrs min. MIL-HDBK-217F (25℃)
	DIMENSION	252*90*43.8mm (L*W*H)
	PACKING	1.88Kg; 8pcs/16Kg/0.92CUFT
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. Please refer to "DRIVING METHODS OF LED MODULE". 5. Derating may be needed under low input voltages. Please check the static characteristics for more details. 6. A type and C type only. 7. Safety and EMC design refer to EN60598-1, subject CNS15233, GB7000.1, FCC part18. 8. 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. 9. 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. 10. Refer to warranty statement. 11. 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.	

Mechanical Specification

Case No.202A Unit:mm

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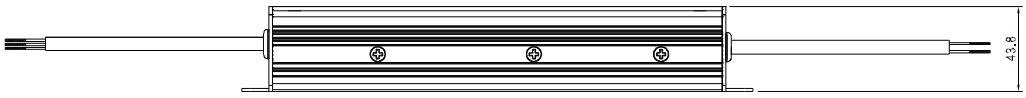
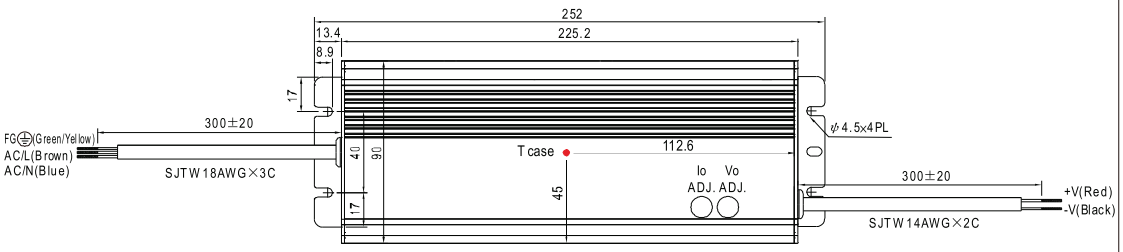
PL-MV264-12

※ T case: Max. Case Temperature.



※IP67 rated. Cable for I/O connection.



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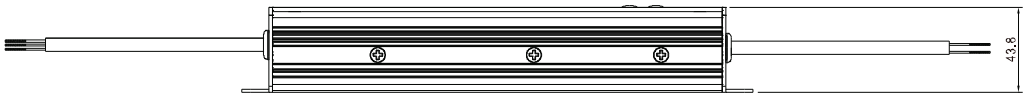

※ IP65 rated. Output voltage and constant current level can be adjusted through internal potentiometer.
(Can access by removing the rubber stopper on the case.)