

Наличие и актуальные цены на

# PLN-60-12

https://www.mean-well.ru/store/PLN-60-12/



### 60W Single Output LED Power Supply

### PLN-60 series



110

#### Features :

- Universal AC input / Full range (up to 295VAC)
- High efficiency 89%
- Protections: Short circuit / Over current / Over voltage / Over temperature
- Cooling by free air convection
- Built-in constant current limiting circuit with adjustable OCP level
- Fully isolated plastic case with IP64 level
- Built-in active PFC function
- Pass LPS
- Class 2 power unit
- 100% full load burn-in test
- High reliability

• Suitable for LED lighting and moving sign applications (Note.2)

- Suitable for dry / damp locations
- Compliance to worldwide safety regulations for lighting

MW Search: https://www.meanwell.com/serviceGTIN.aspx • 2 years warranty



<ul> <li>2 years warranty</li> </ul>		
∑ ₩ ₩ selv LPS IP64 🕞	(for 48V only) CRUUS (except for 48V)	KENENE1347-1,-2-13 ■ ENENE1347-1,-2-13

#### SPECIFICATION

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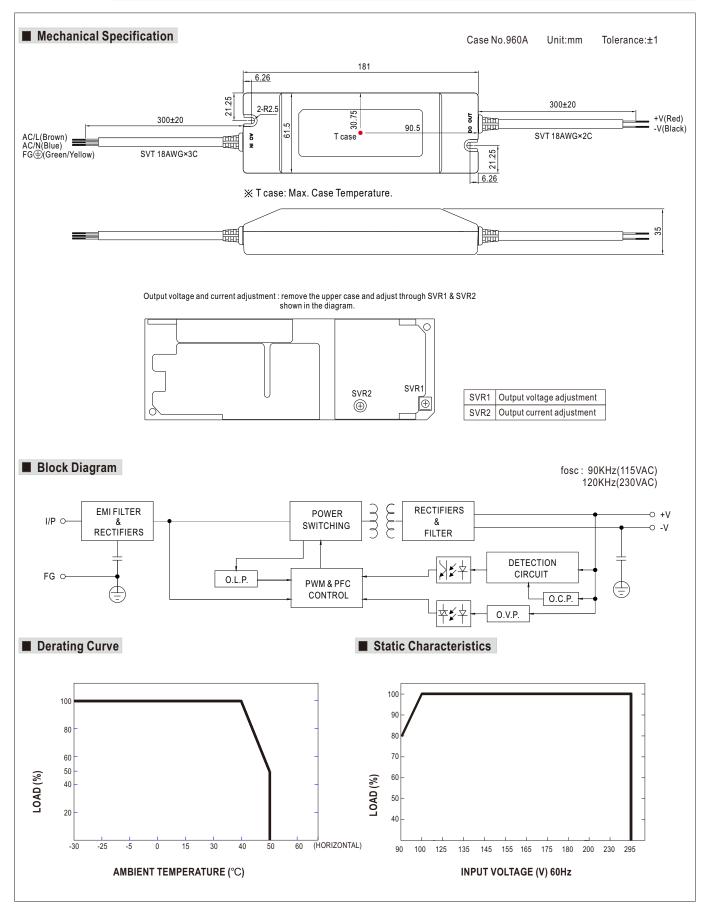
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GTIN CODE

NODEL		PLN-60-12	PLN-60-15	PLN-60-20	PLN-60-24	PLN-60-27	PLN-60-36	PLN-60-48			
	DC VOLTAGE	12V	15V	20V	24V	27V	36V	48V			
	CONSTANT CURRENT REGION Note.6	8.4 ~ 12V	10.5~15V	14 ~ 20V	16.8 ~24V	18.9 ~27V	25.2 ~ 36V	33.6 ~ 48V			
	RATED CURRENT	5A	4A	3A	2.5A	2.3A	1.7A	1.3A			
	CURRENT RANGE	0~5A	0~4A	0~3A	0~2.5A	0~2.3A	0~1.7A	0~1.3A			
	RATED POWER	60W	60W	60W	60W	62.1W	61.2W	62.4W			
	RIPPLE & NOISE (max.) Note.2	2Vp-p	2.4Vp-p	1.8Vp-p	2.7Vp-p	2.7Vp-p	3.6Vp-p	4.6Vp-p			
DUTPUT		11.5 ~ 13V	14.5 ~ 16.2V	19.5 ~ 22V	24~26V	25 ~ 30V	32.5 ~ 39V	43.6~51.8V			
	VOLTAGE ADJ. RANGE Note.5	Can be adjusted by internal potentiometer SVR1									
	CURRENT ADJ. RANGE Note.5	$3\% \sim -25\%$ . Can be adjusted by internal potentiometer SVR2									
	VOLTAGE TOLERANCE Note.3										
	LINE REGULATION	±3.0%									
	LOAD REGULATION	±5.0%									
	SETUP TIME	500ms / 230VAC	3000ms / 115VA	AC at full load							
	VOLTAGE RANGE Note.4	90 ~ 295VAC	127 ~ 417VDC								
	FREQUENCY RANGE	47 ~ 63Hz									
	POWER FACTOR (Typ.)	PF>0.92/115VAC, PF>0.9/230VAC, PF>0.9/277VAC at full load (Please refer to "Power Factor Characteristic" curve)									
	TOTAL HARMONIC DISTORTION	THD< 20% wher	n output loading≧	75% at 115VAC/2	30VAC input and	output loading≧8	0% at 277VAC inpu	t			
NPUT	EFFICIENCY (Typ.)	85%	86%	87.5%	87%	88%	89%	89%			
-	AC CURRENT (Typ.)	0.8A/115VAC	0.4A/230VAC	0.3A/277VAC		I	I				
	INRUSH CURRENT (Typ.)	COLD START 35	5A(twidth=45μs me	easured at 50% Ip	eak) at 230VAC						
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	32 units (circuit breaker of type B) / 32 units (circuit breaker of type C) at 230VAC									
	LEAKAGE CURRENT	<0.75mA / 240VAC									
		95 ~ 110%									
	OVER CURRENT										
	SHORT CIRCUIT	Protection type : Constant current limiting, recovers automatically after fault condition is removed Hiccup mode, recovers automatically after fault condition is removed.									
	SHOKT CIRCOTT	13.8 ~ 16V	17.5 ~ 21V	23 ~ 28V	28 ~ 32V	31 ~ 35V	41~46V	54 ~ 60V			
ROTECTION	OVER VOLTAGE					01 000	11 101	01 000			
	OVER TEMPERATURE	Protection type : Shut down o/p voltage, re-power on to recover Shut down o/p voltage, recovers automatically after temperature goes down									
			fer to "Derating Cu		r temperature go	63 d0wii					
	WORKING TEMP.			iive )							
	WORKING HUMIDITY	20 ~ 95% RH non-condensing									
NVIRONMENT	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT	-40 ~ +80°C, 10 ~ 95% RH									
	VIBRATION	±0.03%/°C (0 ~ 50°C)									
	SAFETY STANDARDS	10 ~ 500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes UL879, UL1310, UL8750, CSA C22.2 No. 207-M89(except for 48V), TUV BS EN/EN61347-1, BS EN/EN61347-2-13 independen CAN/CSA C22.2 No. 223-M91 (except for 48V), CSA C22.2 No. 250.0-08(except for 48V), EAC TP TC 004, IP64 approved ; design refer to UL60950-1									
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3.75KV	AC I/P-FG:2KV	AC 0/P-FG:0.5	KVAC						
MC	ISOLATION RESISTANCE										
	EMC EMISSION	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH Compliance to BS EN/EN55015, BS EN/EN61000-3-2 Class C (≧75% load) ; BS EN/EN61000-3-3; EAC TP TC 020									
	EMC IMMUNITY	Compliance to B	S EN/EN61000-4-	2,3,4,5,6.8.11. BS	EN/EN55024.BS	EN/EN61547. liah	t industry level, EA	C TP TC 020			
	MTBF	3445.2K hrs mi		R-332 (Bellcore)							
THERS	DIMENSION	181*61.5*35mm		(2010010)	,		(20 0)				
STIERS	PACKING	0.5Kg; 24pcs/13	. ,								
NOTE	<ol> <li>All parameters NOT specially</li> <li>Ripple &amp; noise are measured</li> <li>Tolerance : includes set up tol</li> <li>Derating may be needed undd</li> <li>Output voltage can be adjuste</li> <li>Please refer to "DRIVING ME</li> <li>The power supply is consider complete installation, the final (as available on https://www.n</li> <li>Direct connecting to LEDs is 5</li> <li>To fulfill requirements of the la connected to the mains.</li> <li>The mbient temperature der</li> </ol>	mentioned are me at 20MHz of band erance, line regula er low input voltage dd through the SVF THODS OF LED N dd as a componen equipment manufa eanwell.com/Uplo suggested, but is n test ErP regulation	asured at 230VAC width by using a 12 tion and load regul ». Please check the X1 on the PCB ; lim AODULE". t that will be operal acturers must re-qu ad/PDF/EMI_state ot suitable for using for lighting fixtures	2" twisted pair-wire tation. a static characteristi it of output consta ted in combination lalify EMC Directive ment_en.pdf) g additional drivers a, this LED power s	terminated with a ics for more detail nt current level ca with final equipme e on the complete supply can only be	0.1uf & 47uf paralle s. n be adjusted throu- ent. Since EMC perf installation again.	gh the SVR2 on the formance will be affe tch without permane	cted by the ntly			



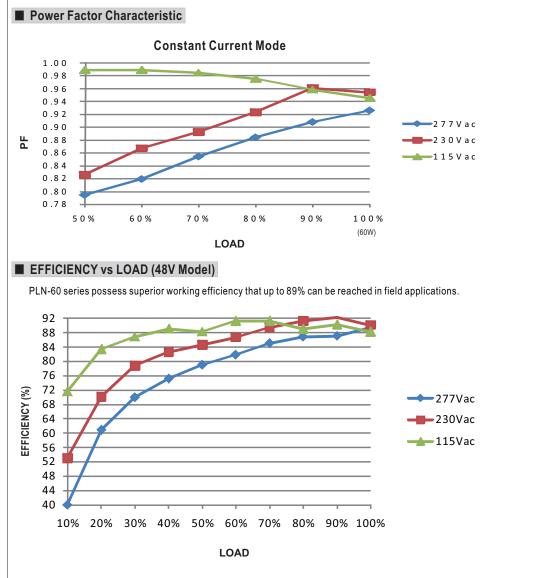
# PLN-60 series





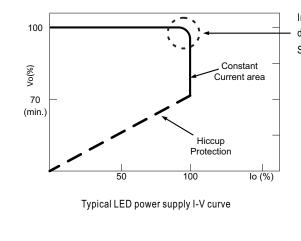
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### DRIVING METHODS OF LED MODULE

This LED power supply is suggested to work in constant current mode area (CC) to drive the LEDs.



In the constant current region, the highest voltage at the output of the driver depends on the configuration of the end systems.

Should there be any compatibility issues, please contact MEAN WELL.