

Наличие и актуальные цены на

PLN-45-15

https://www.mean-well.ru/store/PLN-45-15/



45W Single Output LED Power Supply

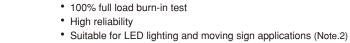
PLN-45 series Features : Universal AC input / Full range (up to 295VAC)

User's Manual



GTIN CODE

MW Search: <u>https://www.meanwell.com/serviceGTIN.aspx</u>



 Pass LPS Class 2 power unit

/ Over temperature Cooling by free air convection

Built-in active PFC function

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· Compliance to worldwide safety regulations for lighting

Protections: Short circuit / Over current / Over voltage

• Fully isolated plastic case with IP64 level

· Built-in constant current limiting circuit with adjustable OCP level

• 2 years warranty



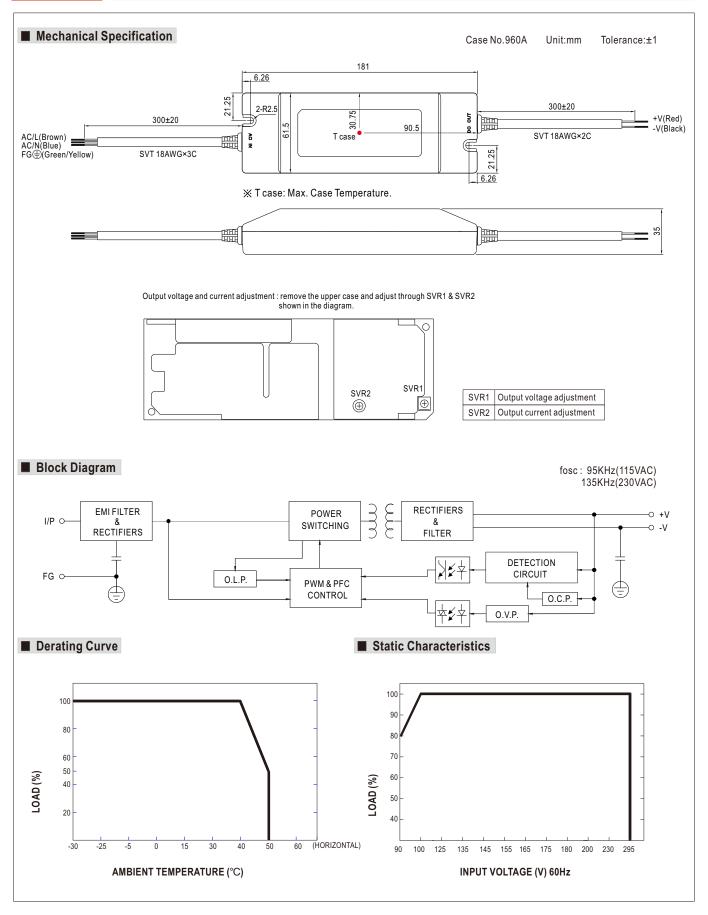
80	M .	M	SELV LPS IP64	R	(for 48V only) CRUUS (except for 48V)	BUNNET DEFENSE S EN/EN61347-1,-2-13	CB	C
CATION								

SPECIFIC

MODEL		PLN-45-12	PLN-45-15	PLN-45-20	PLN-45-24	PLN-45-27	PLN-45-36	PLN-45-48		
	DC VOLTAGE	12V	15V	20V	24V	27V	36V	48V		
OUTPUT	CONSTANT CURRENT REGION Note.6	9 ~ 12V	11.25~15V	15 ~ 20V	18~24V	20.25~27V	27 ~ 36V	36 ~ 48V		
	RATED CURRENT	3.8A	3A	2.3A	1.9A	1.7A	1.25A	0.95A		
	CURRENT RANGE	0~3.8A	0~3A	0~2.3A	0~1.9A	0~1.7A	0~1.25A	0~0.95A		
	RATED POWER	45.6W	45W	46W	45.6W	45.9W	45W	45.6W		
	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		
		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 poten	tiometer SVR1		I				
	CURRENT ADJ. RANGE Note.5	5 $3\% \sim -25\%$. Can be adjusted by internal potentioneter SVR2								
	VOLTAGE TOLERANCE Note.3									
	LINE REGULATION	±3.0%								
	LOAD REGULATION	±5.0%								
	SETUP TIME	±5.0% 500ms / 230VAC 1200ms / 115VAC at full load								
		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% when output loading≧75% at 115VAC/230VAC input and output loading≧80% at 277VAC input								
INPUT	EFFICIENCY (Typ.)	84.5%	85%	86.5%	86.5%	86.5%	87.5%	87.5%		
	AC CURRENT (Typ.)	0.55A/115VAC	0.275A/230							
	INRUSH CURRENT (Typ.)	COLD START 3	5A(twidth=50µs n	neasured at 50% I	peak) at 230VAC					
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	42 units (circuit breaker of type B) / 42 units (circuit breaker of type C) at 230VAC								
	LEAKAGE CURRENT	<0.75mA / 240VAC								
		95~110%								
	OVER CURRENT	Protection type : Constant current limiting, recovers automatically after fault condition is removed								
	SHORT CIRCUIT	21		cally after fault con	,					
PROTECTION		13.8 ~ 16V	17.5 ~ 21V	22.8 ~ 25V	28 ~ 32V	31 ~ 35V	41~46V	54 ~ 60V		
	OVER VOLTAGE					01 001	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								
				,	er temperature go	CS UUWII				
	WORKING TEMP.		efer to "Derating (Jurve")						
	WORKING HUMIDITY	20 ~ 95% RH no	•							
NVIRONMENT		-40 ~ +80°C, 10								
	TEMP. COEFFICIENT	±0.03%/°C (0~	50°C)							
	VIBRATION				ach along X, Y, Z a					
	SAFETY STANDARDS	CAN/CSA C22.2	.879, UL1310, UL8750, CSA C22.2 No. 207-M89(except for 48V), TUV BS EN/EN61347-1, BS EN/EN61347-2-13 independe AN/CSA C22.2 No. 223-M91(except for 48V), CSA C22.2 No. 250.0-08(except for 48V), EAC TP TC 004, 64 approved, design refer to UL60950-1							
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC								
MC	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH								
	EMC EMISSION	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 BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN61547, light industry level, EAC TP TC 020									
	MTBF	3444.5K hrs mi			; 417.1Khrs min					
OTHERS	DIMENSION	181*61.5*35mm			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		. (20 0)			
TIENO			. ,							
	PACKING	0.5Kg; 24pcs/13			and and apple of the	mbiant tones				
IOTE	 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 0.1uf & 47uf parallel capacitor. Tolerance : includes set up tolerance, line regulation and load regulation. Derating may be needed under low input voltage. Please check the static characteristics for more details. Output voltage can be adjusted through the SVR1 on the PCB ; limit of output constant current level can be adjusted through the SVR2 on the PCB. Please refer to "DRIVING METHODS OF LED MODULE". 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. (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) Direct connecting to LEDs is suggested, but is not suitable for using additional drivers. 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. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500 11. For any application note and IP water proof function installation caution, please refer our user manual before using. 									



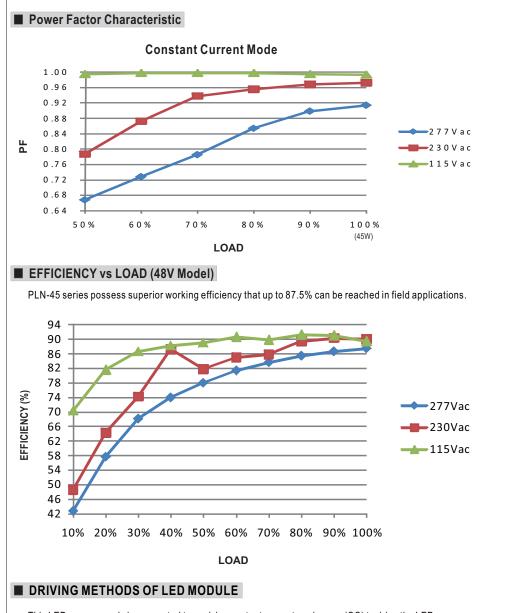
PLN-45 series



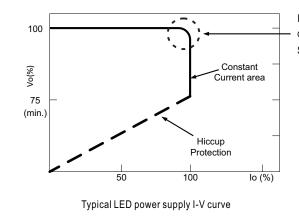


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PLN-45 series



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.