

Наличие и актуальные цены на

PLP-30-24

https://www.mean-well.ru/store/PLP-30-24/



30W Single Output LED Power Supply

PLP-30 series

User's Manual



Features :

- Universal AC input / Full range
- Protections: Short circuit / Over current / Over voltage
- Built-in active PFC function
- Cooling by free air convection
- Class 2 power unit
- Output current level adjustable
- 100% full load burn-in test
- High reliability
- Suitable for built-in applications of LED lighting
- 2 years warranty



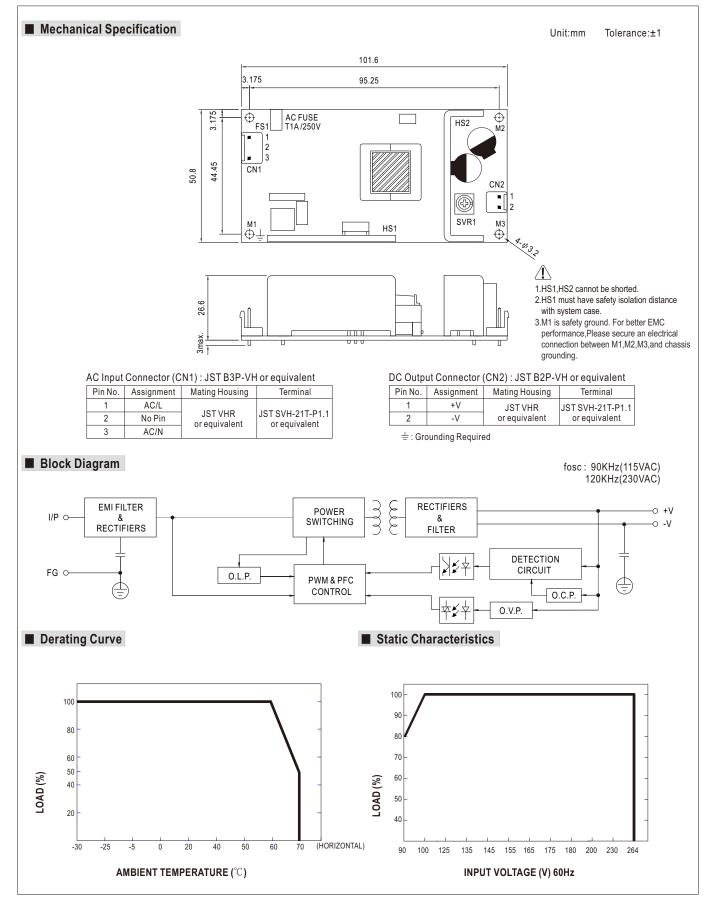
MW Search: https://www.meanwell.com/serviceGTIN.aspx

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	PS EN/EN61247-1-2-12	

SPECIFICATION			(for 48V only) G C (except for 48V) BS EN/ENG 1347-1,-2-13			
MODEL		PLP-30-12	PLP-30-24	PLP-30-48		
	DC VOLTAGE	12V	24V	48V		
	CONSTANT CURRENT REGION Note.5	9 ~ 12V	18 ~ 24V	36 ~ 48V		
	RATED CURRENT	2.5A	1.3A	0.63A		
CURRENT RANGE RATED POWER		0~2.5A	0~1.3A	0~0.63A		
		30W	31.2W	30.24W		
OUTPUT	RIPPLE & NOISE (max.) Note.2	2Vp-p	2.4Vp-p	4.8Vp-p		
	CURRENT ADJ. RANGE	1.875 ~ 2.5A	0.975 ~ 1.3A	0.475 ~ 0.63A		
	VOLTAGE TOLERANCE Note.3					
-	LINE REGULATION	±3.0%				
	LOAD REGULATION	±5.0%				
	SETUP TIME	500ms / 230VAC 1200ms / 115VAC at full load				
		4 90 ~ 264VAC 127 ~ 370VDC				
		47~63Hz				
	POWER FACTOR (Typ.)	PF>0.9 at 75 ~ 100% load , 115VAC / 230VAC				
		I THD< 20% when output loading≥75% at 115VAC/230VAC input				
INPUT	EFFICIENCY (Typ.)	83%	85.5%	86.5%		
	AC CURRENT (Typ.)	0.4A/115VAC 0.2A/230VAC	00.070	00.070		
	INRUSH CURRENT (max.)	COLD START 25A(twidth=45μs measured at 50% Ipeak) at 230VAC				
MAX.No. of PSUs on 16A CIRCUIT BREAKER		64units (circuit breaker of type B) / 64 units (circuit breaker of type C) at 230VAC				
	LEAKAGE CURRENT	<0.75mA / 240VAC				
OVER CURRENT	OVER CURRENT Note.5	100 ~ 110%				
		Protection type : Constant current limiting, recovers automatically after fault condition is removed				
PROTECTION SHOR	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed.				
	OVER VOLTAGE	15 ~ 18V 28 ~ 33V 57 ~ 63V Protection type : Shut down o/p voltage, re-power on to recover 57 ~ 63V				
	WORKING TEMP.	-30 ~ +70°C (Refer to "Derating Curve")				
WORKING HUMIDITY		20 ~ 95% RH non-condensing				
ENVIRONMENT		-40 ~ +80°C, 10 ~ 95% RH				
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)				
	VIBRATION	10 ~ 500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes				
	SAFETY STANDARDS	GB19510.1,GB19510.14,UL8750, TUV BS EN/EN61347-1, BS EN/EN61347-2-13, CSA C22.2 No. 250.0-08(except for 48V) EAC TP TC 004 approved ; design refer to UL60950-1				
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC				
EMC EMC EMC EMC EMC EMC EMC EMC EMISSION		I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH				
		Compliance to GB/T 17743, GB17625.1,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/EN55035,BS EN/EN61547, light industry level, EAC TP TC 020				
MTBF	MTBF	5126.3K hrs min. Telcordia SR-332 (Bellcore); 580.9K hrs min. MIL-HDBK-217F (25℃)				
OTHERS	DIMENSION	101.6*50.8*26.6mm (L*W*H)				
	PACKING	0.12Kg; 108pcs/13Kg/0.89CUFT				
NOTE	 Ripple & noise are measure Tolerance : includes set up t Derating may be needed un Please refer to "DRIVING M The power supply is conside complete installation, the fina (as available on https://www Heat Sink HS1,HS2 can not Direct connecting to LEDs is To fulfill requirements of the connected to the mains. The power supply is conside a 360mm*360mm metal place 	tolerance, line regulation and load regu ider low input voltage. Please check the IETHODS OF LED MODULE". ered as a component that will be opera al equipment manufacturers must re-q meanwell.com//Upload/PDF/EMI_stat t be shorted. s suggested, but is not suitable for usin latest ErP regulation for lighting fixture dered a component which will be insta	12" twisted pair-wire terminated ulation. he static characteristics for mor ated in combination with final e uualify EMC Directive on the co tement_en.pdf) ng additional drivers. as, this LED power supply can alled into a final equipment. All equipment must be re-confirme	l with a 0.1uf & 47uf parallel capacitor. e details. quipment. Since EMC performance will be affected by the		

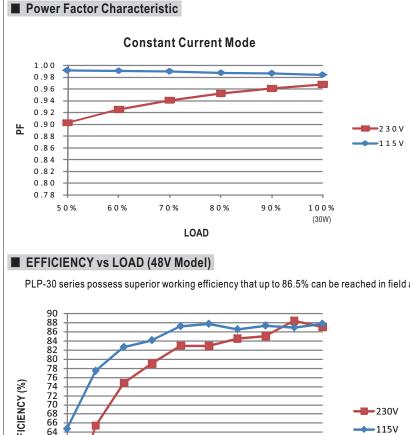


PLP-30 series

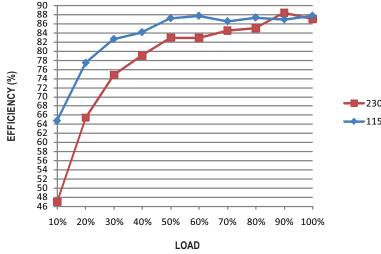


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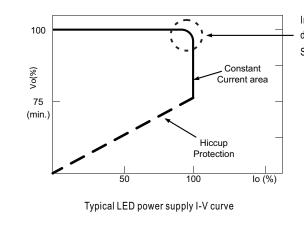


PLP-30 series possess superior working efficiency that up to 86.5% can be reached in field applications.



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.