



■ Features :

- Universal AC input / Full range
- Adjustable output voltage and current level
- Protections: Short circuit / Over current / Over voltage / Over temperature
- Cooling by free air convection
- Built-in constant current limiting circuit
- Fully isolated plastic case with terminal block style of I/O
- Built-in active PFC function, comply with BS EN/EN61000-3-2 class C (Pin≧25W)
- ${}^{\bullet}$ Class ${\rm I\hspace{-.1em}I}$ power unit, no FG
- Class 2 power unit
- 100% full load burn-in test
- High reliability
- Suitable for LED lighting and moving sign applications (Note.2)
- Compliance to worldwide safety regulations for lighting

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MODEL		PLC-30-9	PLC-30-12	PLC-30-15	PLC-30-20	PLC-30-24	PLC-30-27	PLC-30-36	PLC-30-48	
	DC VOLTAGE	9V	12V	15V	20V	24V	27V	36V	48V	
ОИТРИТ	CONSTANT CURRENT REGION Note.6	6.3 ~ 9V	8.4 ~ 12V	10.5 ~ 15V	14 ~ 20V	16.8 ~ 24V	18.9 ~ 27V	25.2 ~ 36V	33.6 ~ 48V	
	RATED CURRENT	3.3A	2.5A	2A	1.5A	1.25A	1.12A	0.84A	0.63A	
	CURRENT RANGE	0 ~ 3.3A	0 ~ 2.5A	0 ~ 2A	0 ~ 1.5A	0 ~ 1.25A	0 ~ 1.12A	0 ~ 0.84A	0 ~ 0.63A	
	RATED POWER	29.7W	30W	30W	30W	30W	30.24W	30.24W	30.24W	
	RIPPLE & NOISE (max.) Note.2	2.6Vp-p	2Vp-p	2.6Vp-p	2.6Vp-p	2.4Vp-p	2.3Vp-p	3.6Vp-p	3.7Vp-p	
	VOLTAGE ADJ. RANGE Note.5		11.4 ~ 13.2V	14.5 ~ 16.5V	19 ~ 22V	22.8 ~ 26.4V	25.65 ~ 29.7V	34.2 ~ 39.6V	45.6 ~ 52.8V	
	CURRENT ADJ. RANGE Note.5	2.475 ~ 3.399A	1.875 ~ 2.575A	1.5 ~ 2.06A	1.125 ~ 1.545A	0.938 ~ 1.288A	0.84 ~ 1.1536A	0.63 ~ 0.865A	0.473 ~ 0.649	
	VOLTAGE TOLERANCE Note.3									
	LINE REGULATION	±3.0%								
	LOAD REGULATION	±5.0%								
	SETUP TIME	500ms / 230VAC 3000ms / 115VAC at full load								
INPUT	VOLTAGE RANGE Note.4	90 ~ 264VAC 127 ~ 370VDC								
	FREQUENCY RANGE	47 ~ 63Hz								
	POWER FACTOR (Typ.)	PF>0.95/115VAC, PF>0.9/230VAC at full load (Please refer to "Power Factor Characteristic" curve)								
	TOTAL HARMONIC DISTORTION	THD< 20% when output loading≧70% at 115VAC/230VAC input								
	EFFICIENCY (Typ.)	80%	82.5%	83.5%	84%	84%	84.5%	85%	85.5%	
	AC CURRENT (Typ.)	0.4A/115VAC	0.2A/230VAC	00.070	1 0 1 70	0.70	01.070	1 00 /0	00.070	
	INRUSH CURRENT (Typ.)	COLD START 35A(twidth=25µs measured at 50% Ipeak) at 230VAC								
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	MAX. No. of PSUs on 16A CIRCUIT BREAKER	64 units (circuit breaker of type B) / 64 units (circuit breaker of type C) at 230VAC								
	LEAKAGE CURRENT	<0.5mA/240VAC								
PROTECTION	OVER CURRENT	100 ~ 110% Protection type: Constant current limiting, recovers automatically after fault condition is removed								
	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed.								
		10 ~ 14V								
	OVER VOLTAGE	Protection type	: Shut down o/p	voltage, re-pow	er on to recover					
	OVER TEMPERATURE	Shut down o/p voltage, re-power on to recover								
ENVIRONMENT	WORKING TEMP.	-30 ~ +50°C (Refer to "Derating Curve")								
	WORKING HUMIDITY	20 ~ 95% RH non-condensing								
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH								
	TEMP. COEFFICIENT	±0.06%/°C (0~50°C)								
	VIBRATION	10 ~ 500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes								
SAFETY & EMC	SAFETY STANDARDS	UL1310, TUV BS EN/EN61347-1, BS EN/EN61347-2-13, GB19510.14,GB19510.1, CAN/CSA C22.2 No. 223-M91(except for 48V EAC TP TC 004 approved								
	WITHSTAND VOLTAGE	I/P-0/P:3.75KVAC								
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH								
	EMC EMISSION	Compliance to BS EN/EN55015, GB17743, GB17625.1,BS EN/EN61000-3-2 Class C (Pin≧25W), Class D (>70% 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/EN55024, BS EN/EN61547, light industry level, criteria A,EAC TP TC 02								
	MTBF	625.5Khrs min. MIL-HDBK-217F (25°C)								
	DIMENSION	160*46*30mm (L*W*H)								
	PACKING		,							
NOTE	All parameters NOT specially m Ripple & noise are measured at Tolerance: includes set up tole Derating may be needed under Output voltage can be adjusted Please refer to "DRIVING METI The power supply is considered complete installation, the final e Direct connecting to LEDs is su To fulfill requirements of the late The ambient temperature dera The LT-SO-9 is used for any light	Interest NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. • a noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. • anoe: includes set up tolerance, line regulation and load regulation. • ng may be needed under low input voltage. Please check the static characteristics for more details. • tvoltage can be adjusted through the SVR1 on the PCB. limit of output constant current level can be adjusted through the SVR2 on the PCB. • erefer to "DRIVING METHODS OF LED MODULE". • ower supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the lete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again. • connecting to LEDs is suggested, but is not suitable for using additional drivers. fill 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. • 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(6500ft). • 30-9 is used for any light source that exempt from the ErP-Directive (EU) 2019/2020 requirement, for example this model could be for signalling or products (including, but not limited to road, railway, mainreporarit raffice, signalling, ticcontrol or airfield lamps).								

use for signalling products (including, but not limited to road-, railway-, marineorair traffic-signalling, traffic control or airfield lamps).

Mention of signalling products (including, but not limited to road-, railway-, marineorair traffic-signalling, traffic control or airfield lamps).

Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx

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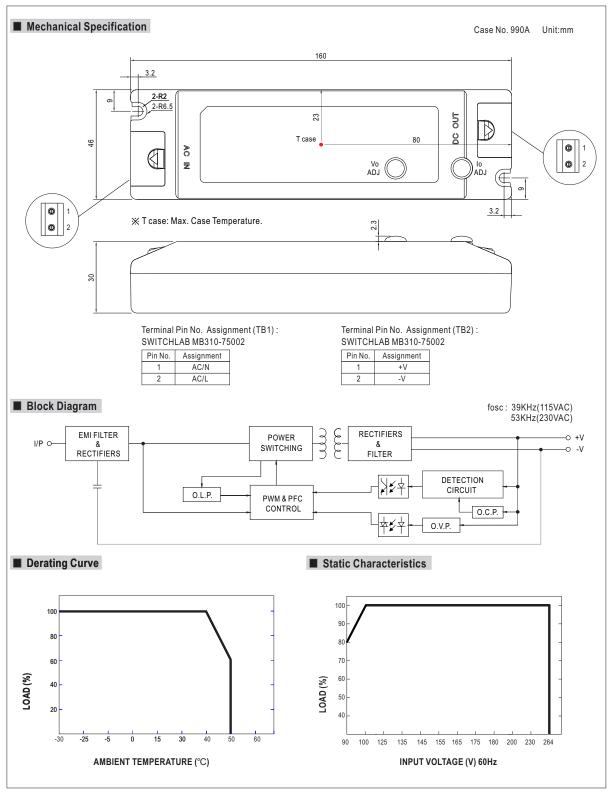












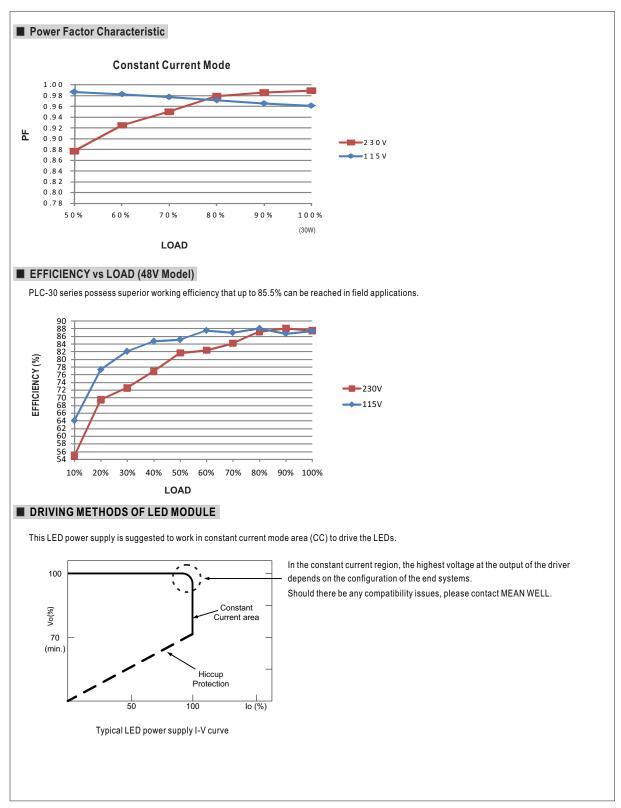
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