



Features:

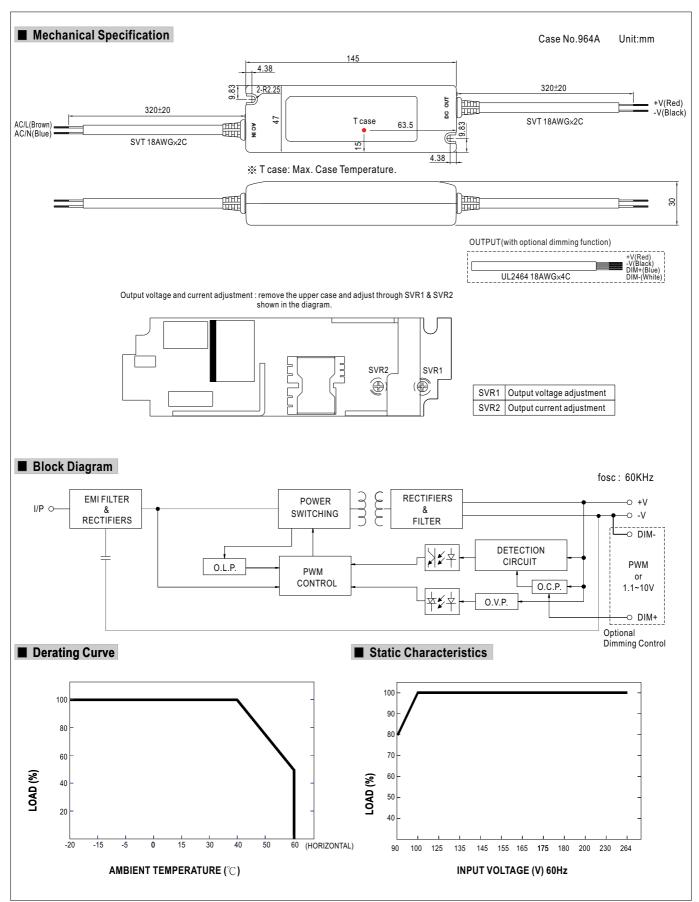
- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- Built-in constant current limiting circuit with adjustable OCP level
- Optional dimming function : 1.1~10VDC (D type) or PWM (P type) controlled
- Fully isolated plastic case with IP64 level
- Class II power unit, no FG
- Pass LPS
- Suitable for LED lighting and moving sign applications (Note.8)
- 100% full load burn-in test
- · Low cost
- 2 years warranty

SPECIFICATION

□ LPS IP64 **%** (for 48V only) c **%** US (except for 48V) C €

MODEL		ELN-30-5	ELN-30-9	ELN-30-12	ELN-30-15	ELN-30-24	ELN-30-27	ELN-30-48	
	DC VOLTAGE	5V	9V	12V	15V	24V	27V	48V	
ОИТРИТ	LED OPERATION VOLTAGE Note.7	3 ~ 5V	3~9V	3 ~ 12V	3 ~ 15V	3 ~ 24V	3 ~ 27V	3 ~ 48V	
	RATED CURRENT	5A	3.4A	2.5A	2A	1.25A	1.12A	0.63A	
	CURRENT RANGE	0 ~ 5A	0 ~ 3.4A	0 ~ 2.5A	0 ~ 2A	0 ~ 1.25A	0 ~ 1.12A	0 ~ 0.63A	
	RATED POWER	25W	30.6W	30W	30W	30W	30.24W	30.24W	
	RIPPLE & NOISE (max.) Note.2	80mVp-p	100mVp-p	120mVp-p	120mVp-p	150mVp-p	150mVp-p	250mVp-p	
	VOLTAGE ADJ. RANGE	4.5 ~ 5.5V	8.7 ~ 10.5V	10.8 ~ 13.2V	13.5 ~ 16.5V	21.6 ~ 26.4V	24.3 ~ 29.7V	43.2 ~ 52.8V	
		Can be adjusted by	y internal potention	meter SVR1		•		_	
	CURRENT ADJ. RANGE	-25% ~ 3%. Can be adjusted by internal potentiometer SVR2							
	VOLTAGE TOLERANCE Note.3								
	LINE REGULATION	±1.0%							
	LOAD REGULATION	±2.0%							
	SETUP, RISE TIME Note.6	500ms, 80ms / 230VAC 1000ms, 80ms / 115VAC at full load							
	HOLD UP TIME (Typ.)	50ms/230VAC 16ms/115VAC at full load							
INPUT	, , , ,	90 ~ 264VAC 127 ~ 370VDC							
	FREQUENCY RANGE	47 ~ 63Hz							
	EFFICIENCY (Typ.)	75%	80%	82%	82%	85%	85%	87%	
	AC CURRENT (Typ.)	0.75A/115VAC				1			
	INRUSH CURRENT (max.)	COLD START 60A/230VAC							
	LEAKAGE CURRENT	0.25mA / 240VAC							
		95 ~ 110%							
PROTECTION	OVER CURRENT	Protection type: Constant current limiting, recovers automatically after fault condition is removed							
	OVER VOLTAGE	5.75 ~ 6.75V	11 ~ 13.5V	13.8 ~ 16V	17.5 ~ 21V	28 ~ 32V	31 ~ 36.4V	54 ~ 60V	
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FUNCTION	DIMMING CONTROL (OPTIONAL)	Protection type: Shut down o/p voltage, re-power on to recover 1.1 ~ 10VDC or PWM signal: 100Hz ~ 3KHz							
	WORKING TEMP.	-20 ~ +60°C (Refer to "Derating Curve")							
	WORKING HUMIDITY	20 ~ 90% RH non-condensing							
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH							
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)							
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes							
	SAFETY STANDARDS	UL1310 Class 2, CAN/CSA C22.2 No. 223-M91(except for 48V), IP64 approved; design refer to TUV EN60950-1, EN61347-2-13							
SAFETY & EMC	WITHSTAND VOLTAGE	I/P-0/P:3KVAC							
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH							
	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2 Class A, EN61000-3-3							
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A							
	MTBF	628.3Khrs min. MIL-HDBK-217F (25°C)							
	DIMENSION	145*47*30mm (L*W*H)							
	PACKING	0.26Kg; 60pcs/16.6Kg/1.25CUFT							
NOTE	All parameters NOT special Ripple & noise are measure Tolerance: includes set up Derating may be needed ur The power supply is consid complete installation, the fir Length of set up time is me Constant current operation	arameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. e & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. ance: includes set up tolerance, line regulation and load regulation. ting may be needed under low input voltage. Please check the static characteristics for more details. soower supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the olete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again. th of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time. stant current operation region is within the specified output voltage range above. This is the suitable operation region for LED related applications. E European market this power supply can be used for LED lighting applications with input power up to 25W.							







■ Dimming Control (Optional)

Level of output current can be adjusted through the dimming control function.

When there is no signal sending to the control wires (open circuit between the two control wires), the power supply unit will operate as 0V (D-type) or 0% duty (P-type) of input signal and hence the output current will be zero.

(1)1.1~10V (D type, &: ELN-30-12D)

