



■ Features :

- 180-264VAC input only
- Fully encapsulated with IP67 level (Note.5)
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- Class II power unit, no FG
- Pass LPS
- 100% full load burn-in test
- Suitable for LED related fixture or appliance (such as LED Decoration or Advertisement devices)

SPECIFICATION

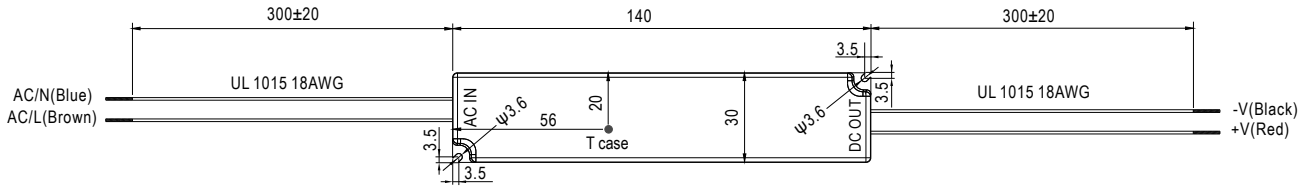
 IS 15885 (Part 2/Sec13)
R-41027766


EAC CB CE

MODEL		AE24018
OUTPUT	DC VOLTAGE	24V
	RATED CURRENT	0.75A
	CURRENT RANGE	0 ~ 0.75A
	RATED POWER	18W
	RIPPLE & NOISE (max.) Note.2	150mVp-p
	VOLTAGE TOLERANCE Note.3	±3.0%
	LINE REGULATION	±1.0%
	LOAD REGULATION	±2.0%
	SETUP, RISE TIME	1500ms, 30ms / 230VAC
HOLD UP TIME (Typ.)	50ms/230VAC at full load	
INPUT	VOLTAGE RANGE	180 ~ 264VAC 254 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz
	EFFICIENCY(Typ.)	82%
	AC CURRENT	0.3A/230VAC
	INRUSH CURRENT(Typ.)	COLD START 50A(twidth=155µs measured at 50% Ipeak) at 230VAC
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	17 units (circuit breaker of type B) / 28 units (circuit breaker of type C) at 230VAC
LEAKAGE CURRENT	0.25mA / 240VAC	
PROTECTION	OVERLOAD	Above 105% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed
	OVER VOLTAGE	27.6~ 32.4V Protection type : Shut off o/p voltage, clamping by zener diode
	OVER TEMPERATURE	Hiccup mode, recovers automatically after temperature goes down
ENVIRONMENT	WORKING TEMP.	-30~ +70°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 & EMC (Note 4)	SAFETY STANDARDS	TUV EN60950-1, BIS IS15885, EAC TP TC 004, IP67 approved; design refer to UL1310 Class 2,CAN/CSA No. 223-M91
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH
	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2 Class A, EN61000-3-3, EAC TP TC 020
EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A, EAC TP TC 020	
OTHERS	MTBF	1200.6K hrs min. MIL-HDBK-217F (25°C)
	DIMENSION	140*30*22(L*W*H)
	PACKING	0.175Kg;
NOTE	<ol style="list-style-type: none"> 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µf & 47µf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. 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. 5. Suitable for indoor use or outdoor use without direct sunlight exposure. 6. The unit might not be suitable for lighting applications in EU countries. Please check with your local authorities for the possible use of the unit. 	

Mechanical Specification

Unit:mm

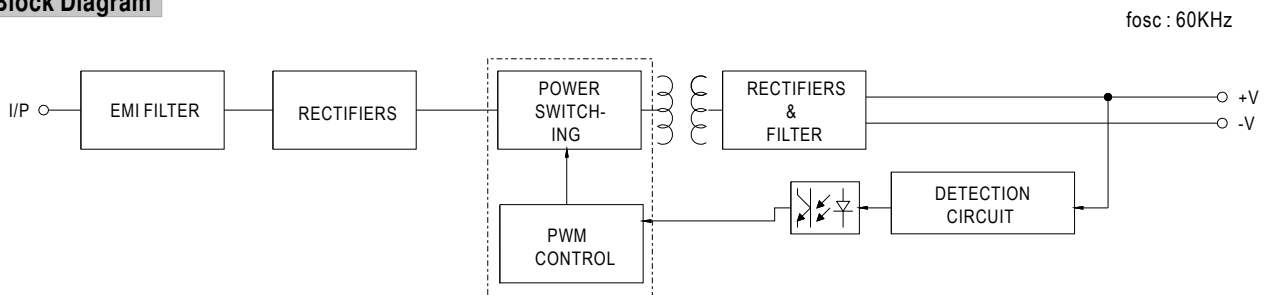


※ T case: Max. Case Temperature

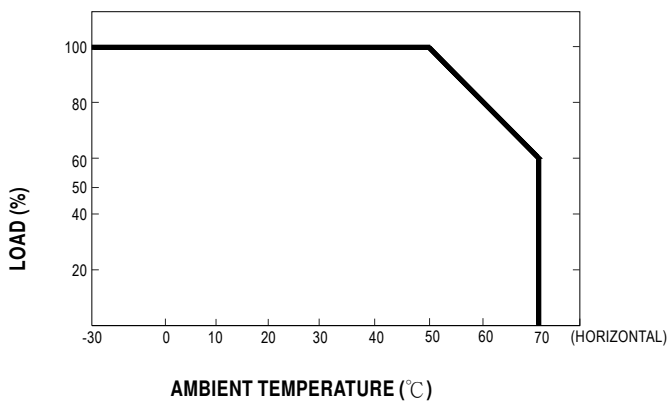
Recommend Mounting Direction



Block Diagram



Derating Curve



Static Characteristics

