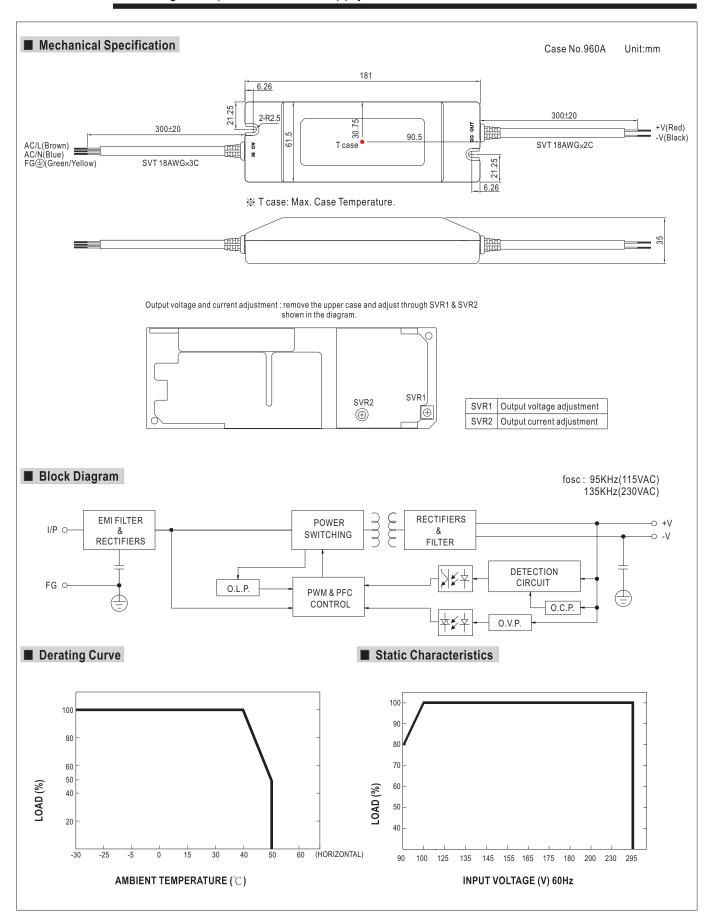
Features:

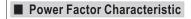
- Universal AC input / Full range (up to 295VAC)
- Protections: Short circuit / Over current / Over voltage / Over temperature
- Cooling by free air convection
- Built-in constant current limiting circuit with adjustable OCP level
- Fully isolated plastic case with IP64 level
- Built-in active PFC function
- IP64 design for indoor or outdoor installations
- Class 2 power unit
- Pass LPS
- 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

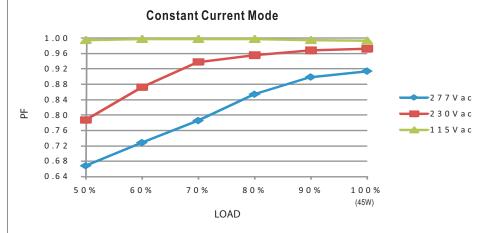




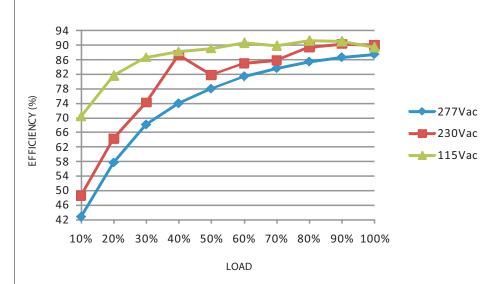
SPECIFICA									
DF LCIFIC	ATION								
OUTPUT	DC VOLTAGE				24V				
	CONSTANT CURRENT				Z4 V				
	OPERATION VOLTAGE Note.6				18 - 24V				
	RATED CURRENT				1.9A				
	CURRENT RANGE				0 - 1.9A				
	RATED POWER				45.6W				
	RIPPLE & NOISE (max.) Note.2				2.7Vp-p				
	VOLTAGE ADJ. RANGE Note.5	Can be adjusted	by internal notentic	ometer SVP1	24 - 26V				
	CURRENT AD L RANGE Note 5	Can be adjusted by internal potentiometer SVR1 3 % ~ -25%. Can be adjusted by internal potentiometer SVR2							
	VOLTAGE TOLERANCE Note.3								
	LINE REGULATION	±3.0%							
	LOAD REGULATION	±5.0%							
	SETUP TIME	1500ms / 230VAC 3000ms / 115VAC at full load							
		1900 ~ 295VAC 127 ~ 417VDC							
INPUT	FREQUENCY RANGE	47 ~ 63Hz							
		PF>0.92/115VAC, PF>0.9/230VAC, PF>0.9/277VAC at full load (Please refer to "Power Factor Characteristic" curve)							
	POWER FACTOR (Typ.)	PF>0.92/115VAC	, PF>0.9/230VAC,	PF>0.9/211 VAC a	86.5%	Teler to Power Fac	Tior Characteristic	curve)	
	EFFICIENCY (Typ.)	0.554/115\/4.0	0.254/220\/40	0.000/0771/					
	AC CURRENT (Typ.)	0.55A/115VAC							
	INRUSH CURRENT (max.)	COLD START 35A(twidth=50 \(\mu \)s measured at 50% peak) at 230VAC < 0.75mA / 240VAC							
	LEAKAGE CURRENT								
PROTECTION	OVER CURRENT	95 ~ 110%							
		Protection type: Constant current limiting, recovers automatically after fault condition is removed Hiccup mode, recovers automatically after fault condition is removed.							
	SHORT CIRCUIT	Hiccup mode, re	covers automatical	lly after fault condit			1		
	OVER VOLTAGE	Don't of our forces	01		28 - 32V				
		Protection type: Shut down o/p voltage, re-power on to recover							
	OVER TEMPERATURE	95°C ±10°C (TSW1) detect on heatsink of power transistor							
		Protection type: Shut down o/p voltage, recovers automatically after temperature goes down							
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	±0.03%/°C (0~50°C)							
	VIBRATION	10 ~ 500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes							
SAFETY & EMC	SAFETY STANDARDS	UL879, UL1310, UL8750, CSA C22.2 No. 207-M89(except for 48V), TUV EN61347-1, EN61347-2-13 independent, CAN/CS							
		C22.2 No. 223-M91(except for 48V), CSA C22.2 No. 250.0-08(except for 48V), IP64, J61347-1, J61347-2-13 approved, design refer to UL60950-1							
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC							
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25℃/ 70% RH							
	EMC EMISSION	Compliance to EN55015, EN61000-3-2 Class C (≥75% load) ; EN61000-3-3							
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61547, light industry level, criteria A							
OTHERS	MTBF	497.8K hrs min. MIL-HDBK-217F (25°C)							
	DIMENSION	181*61.5*35mm (L*W*H)							
	PACKING	0.5Kg; 24pcs/13Kg/0.75CUFT							
NOTE	Ripple & noise are measure Tolerance : includes set up Derating may be needed ur Output voltage can be adjue Constant current operation reconfirm special electrical The power supply is consident complete installation, the fire	NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. udes set up tolerance, line regulation and load regulation. he needed under low input voltage. Please check the static characteristics for more details. can be adjusted through the SVR1 on the PCB; limit of output constant current level can be adjusted through the SVR2 on the PCB. In operation region is within 75% ~100% rated output voltage. This is the suitable operation region for LED related applications, but please all electrical requirements for some specific system design. Ply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the lation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.							





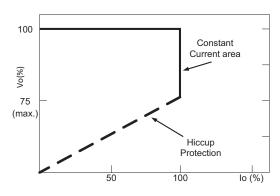


■ EFFICIENCY vs LOAD



■ DRIVING METHODS OF LED MODULE

This LED power supply is suggested to work in constant current mode area (CC) to drive the LEDs.



Typical LED power supply I-V curve