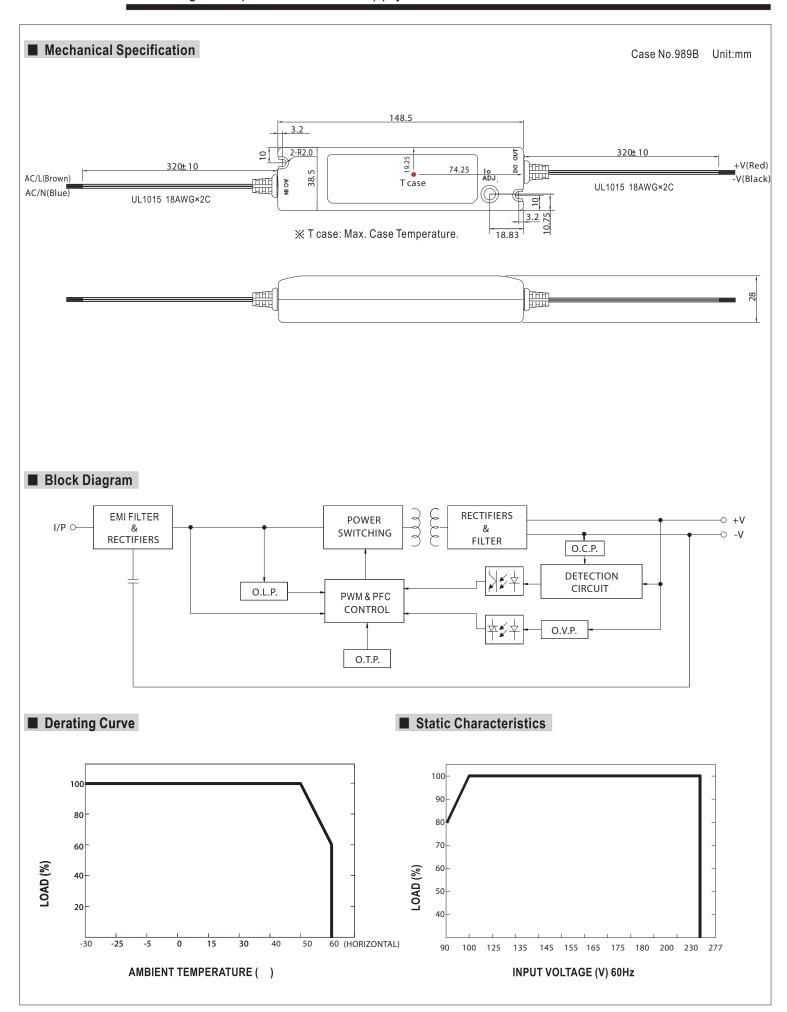
## Features:

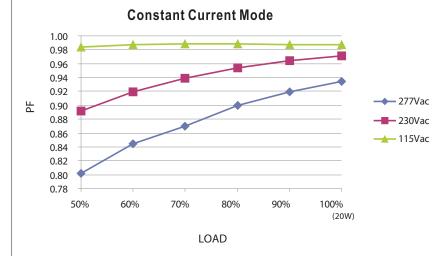
- Universal AC input / Full range(up to 277VAC)
- Protections:Short circuit/Over current/Over voltage/Over temperature
- Cooling by free air convection
- Built-in constant current limiting circuit with adjustable OCP level
- · Fully isolated plastic case
- · Built-in active PFC function
- IP64 design for indoor or outdoor installations
- Small and compact size
- $\bullet$  Class  ${\rm I\hspace{-.1em}I}$  power unit, no FG
- 100% full load burn-in test
- High reliability,low cost
- Suitable for Damp / wet locations
- Suitable for LED lighting and moving sign applications

	DC VOLTAGE			24V		
OUTPUT	LED OPERATION VOLTAGE Note.5			18 ~ 24V		
	RATED CURRENT			0.8A		
	CURRENT RANGE			0 ~ 0.8A		
	CURRENT ADJ. RANGE	75% ~ 100%				
	RATED POWER			19.2W		
	RIPPLE & NOISE (max.) Note.2			3.0Vp-p		
	VOLTAGE TOLERANCE Note.3	te.3 ±10%				
	LINE REGULATION	±3.0%				
	LOAD REGULATION	±10%				
	SETUP TIME	2300ms / 230VAC 3000ms / 115VAC at full load				
INPUT	<b>DLTAGE RANGE</b> Note.4 90 ~ 277VAC 127~392VDC					
	FREQUENCY RANGE	47 ~ 63Hz				
	POWER FACTOR	PF≡0.9 at 75~100% I	oad, 115VAC/230VAC;PF	= 0.9 at 85~100% load 277	VAC (Please refer to "Pov	ver Factor Characteristic" curv
	EFFICIENCY(Typ.)			82%		
	AC CURRENT	0.4A/115VAC				
	INRUSH CURRENT(max.)	40A/230VAC				
	LEAKAGE CURRENT	0.5mA/240VAC				
PROTECTION	OVER CURRENT Note.5	95 ~ 110%				
		Protection type: Constant current limiting, recovers automatically after fault condition is removed				
	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed.				
		Though mode, received		27 ~ 34V		
	OVER VOLTAGE	Protection type : Shut	off o/p voltage, clamping b			
		110°C±10°C (TSW1)				
	OVER TEMPERATURE	Protection type: Shut down o/p voltage, recovers automatically after temperature goes down				
ENVIRONMENT	WORKING TEMP.	-30 ~ +60°C (Refer to "Derating Curve")				
	WORKING HUMIDITY	20 ~ 90% RH non-condensing				
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH				
	TEMP. COEFFICIENT	±0.06%/°C (0~50°C)				
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes				
	SAFETY STANDARDS	IEC61347-1, IEC61347-2-13, TUV EN61347-1, EN61347-2-13, UL8750,CSA C22.2 No. 250.0-08,J61347-1, J61347-2-13, IP64 approve				
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC				
SAFETY &		I/P-O/P:100M Ohms/500VDC / 25°C/ 70%RH				
EMC	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	643.6Khrs min. MIL-HDBK-217F (25°C)				
	DIMENSION	148.5*38.5*28mm (L*W*H)				
	PACKING	0.18Kg; 60pcs/12.8Kg/0.9CUFT				
NOTE	Ripple & noise are measure     Tolerance: includes set up     Derating may be needed ur     Constant current operation in reconfirm special electrical in     The power supply is consident complete installation, the fin	lly mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.  ed at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.  tolerance, line regulation and load regulation.  nder low input voltage, please check the static characteristic for more details.  region is within 75% ~100% rated output voltage. This is the suitable operation region for LED related applications, but please requirements for some specific system design.  ered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the lall equipment manufacturers must re-qualify EMC Directive on the complete installation again.  s suggested, but is not suitable for using additional drivers.				

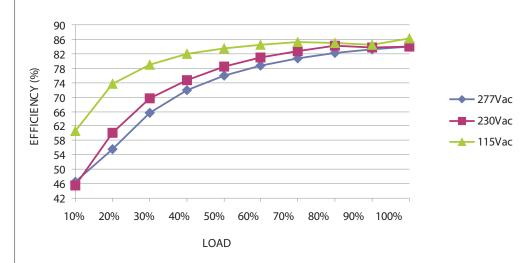


## ■ Power Factor Characteristic

Power factor will be higher than 0.9 when output loading is 75% or higher.

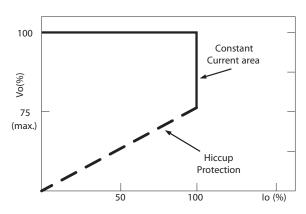


## **■** EFFICIENCY vs LOAD



## ■ 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