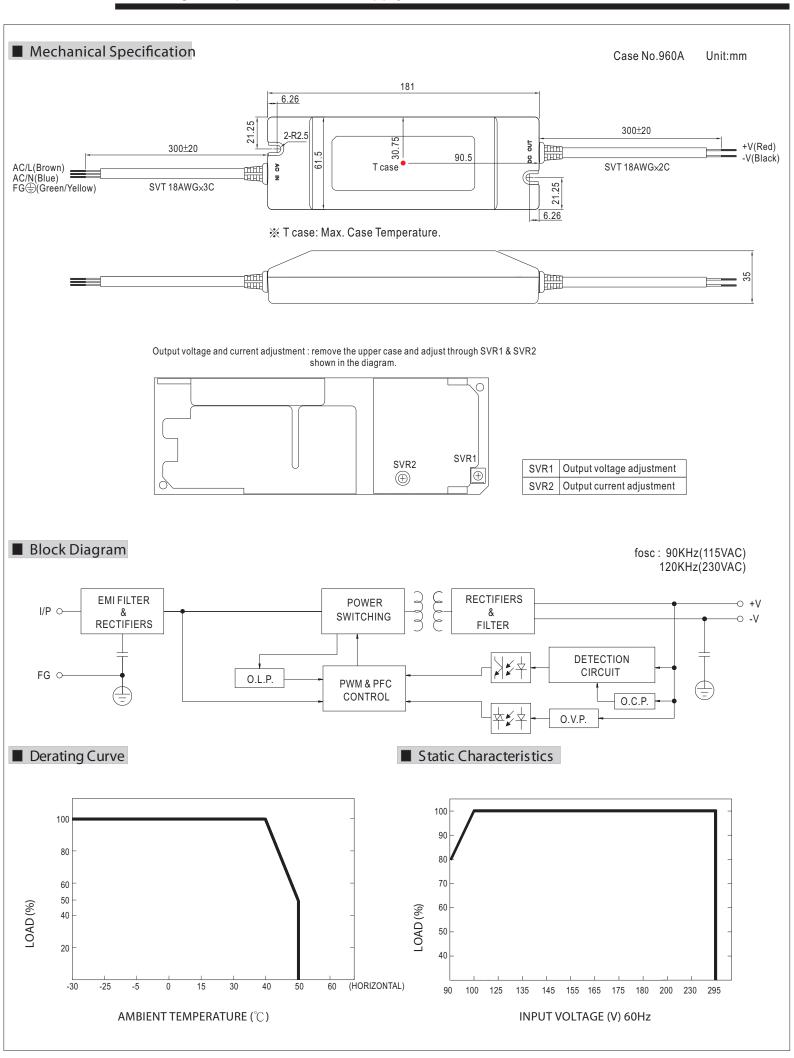
## Features :

- Universal AC input / Full range (up to 295VAC)
- High efficiency up to 89%
- 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
- Pass LPS
- Class 2 power unit
- 100% full load burn-in test
- High reliability
- Suitable for LED lighting and moving sign applications (Note.2)
- Suitable for dry / damp locations
- Compliance to worldwide safety regulations for lighting

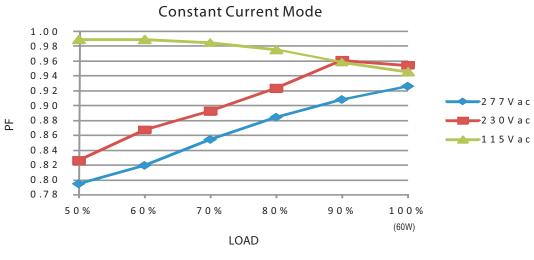




OUTPUT	DC VOLTAGE	24V
	CONSTANT CURRENT REGION Note.6	16.8 ~24V
	RATED CURRENT	2.5A
	CURRENT RANGE	0~2.5A
	RATED POWER	60W
	RIPPLE & NOISE (max.) Note.2	2.7Vp-p
		24~26V
	VOLTAGE ADJ. RANGE Note.5	Can be adjusted by internal potentiometer SVR1
	CURRENT ADJ. RANGE Note.5	3% ~ -25%. Can be adjusted by internal potentiometer SVR2
	VOLTAGE TOLERANCE Note.3	±10%
	LINE REGULATION	±3.0%
	LOAD REGULATION	±5.0%
	SETUP TIME	1500ms / 230VAC 3000ms / 115VAC at full load
		90 ~ 295VAC 127 ~ 417VDC
INPUT	FREQUENCY RANGE	47 ~ 63Hz
	-	PF>0.98/115VAC, PF>0.9/230VAC, PF>0.9/277VAC at full load (Please refer to "Power Factor Characteristic" curve)
	POWER FACTOR (Typ.)	
	EFFICIENCY (Typ.)	87%
	AC CURRENT (Typ.)	0.8A/115VAC
	INRUSH CURRENT (max.)	COLD START 35A(twidth=45,µs measured at 50% Ipeak) at 230VAC
	LEAKAGE CURRENT	<0.75mA / 240VAC
PROTECTION	OVER CURRENT	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.
	OVER VOLTAGE	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  SAFETY & EMC	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
	VIBIONION	UL879, UL1310, UL8750, CSA C22.2 No. 207-M89(except for 48V), TUV EN61347-1, EN61347-2-13 independent, CAN/CS
	SAFETY STANDARDS	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
	WITHSTAND VOLTAGE	1/P-O/P:3.75KVAC
	WITHSTAND VOLTAGE	
	ISOLATION RESISTANCE	/P-0/P:100M Ohms / 500VDC / 25°C / 70% RH
	EMC EMISSION	Compliance to EN55015, EN55022 (CISPR22) Class B, EN61000-3-2 Class C (≥75% load) ; EN61000-3-3
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024,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 up     Output voltage can be adju     Constant current operation reconfirm special electrical     The power supply is consident complete installation, the firms.	Illy 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 characteristics for more details.  sted through the SVR1 on the PCB; limit of output constant current level can be adjusted through the SVR2 on the PCB.  region is within 70% ~100% rated output voltage. This is the suitable operation region for LED related applications, but please requirements for some specific system design.  lered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the hall equipment manufacturers must re-qualify EMC Directive on the complete installation again.  is suggested, but is not suitable for using additional drivers.

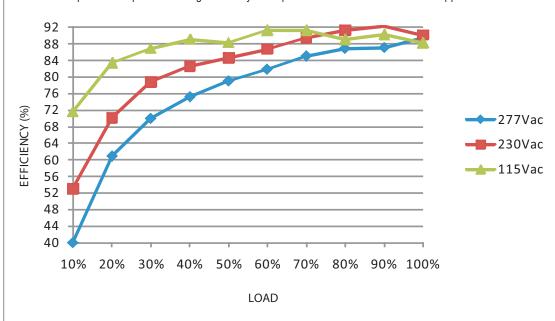


## ■ Power Factor Characteristic



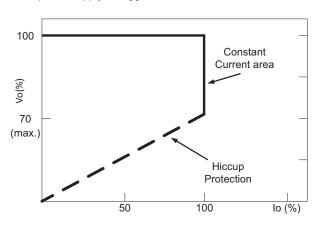
## ■ EFFICIENCY vs LOAD

DPL-60 T possess superior working efficiency that up to 89% can be reached in field applications.



## ■ 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