



■ Features :

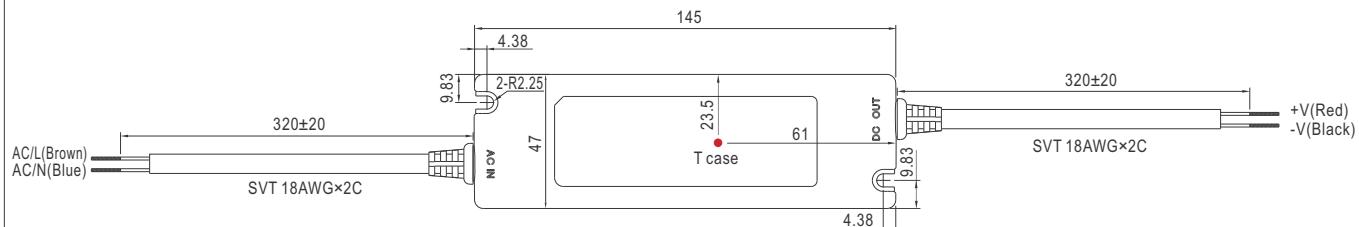
- Universal AC input / Full range (up to 295VAC)
- Protections: Short circuit / Over current / Over voltage / Over temperature
- Cooling by free air convection
- Built-in constant current limiting circuit with adjustable OCP level
- Fully isolated plastic case with IP64 level
- Built-in active PFC function
- Pass LPS
- Class II power unit, no FG
- Class 2 power unit
- 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
- 2 years warranty



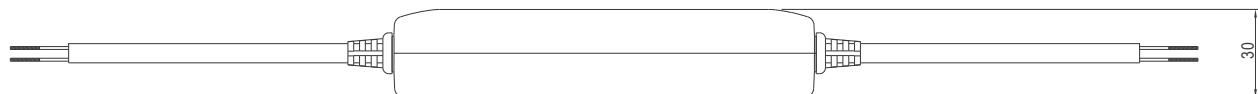
SPECIFICATION

■ Mechanical Specification

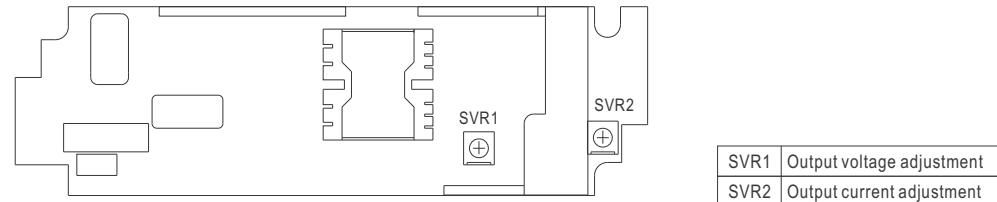
Case No.964A Unit:mm



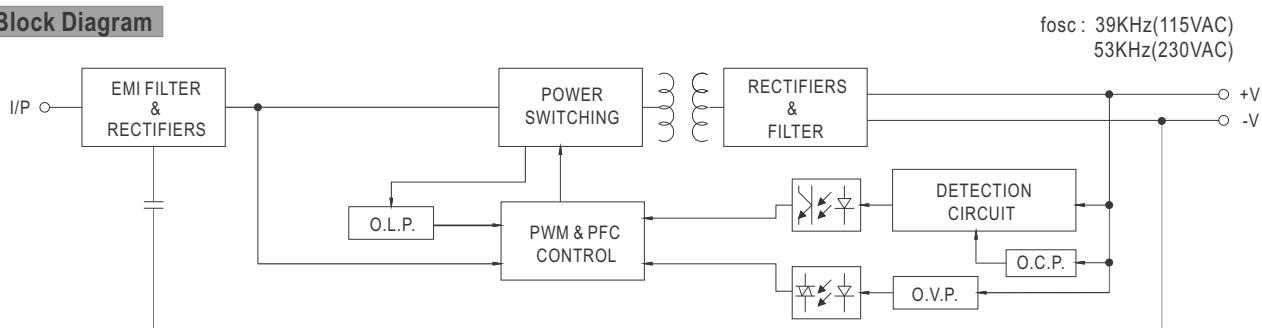
※ T case: Max. Case Temperature.



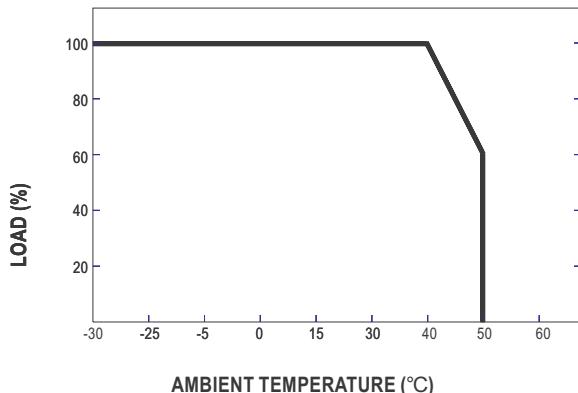
Output voltage and current adjustment: remove the upper case and adjust through SVR1 & SVR2 shown in the diagram.



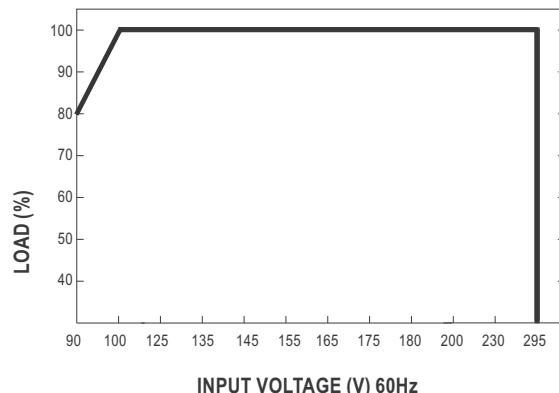
■ Block Diagram



■ Derating Curve



■ Static Characteristics



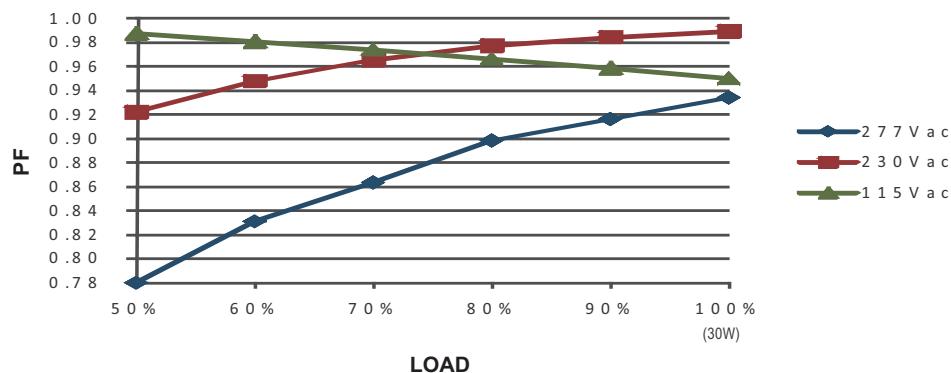


30W Single Output LED Power Supply

PLN-30 series

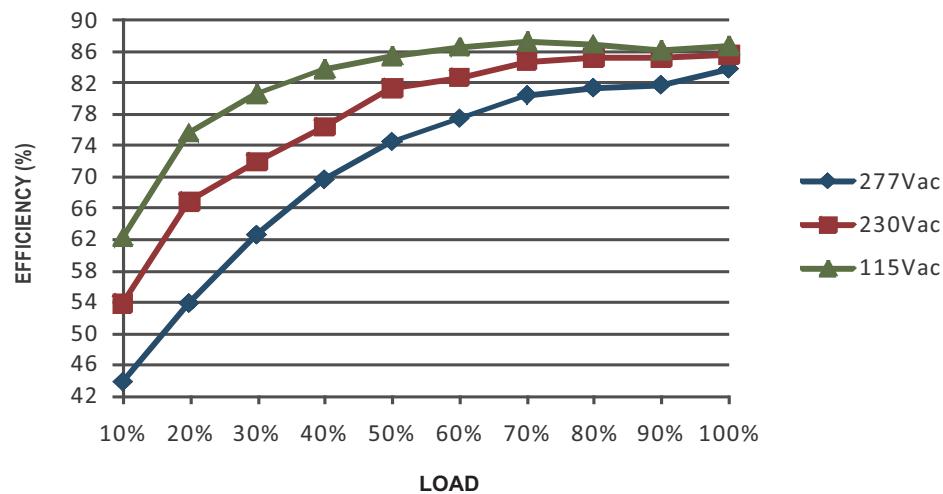
■ Power Factor Characteristic

Constant Current Mode



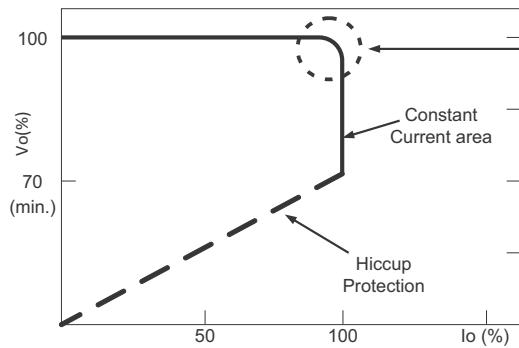
■ EFFICIENCY vs LOAD (48V Model)

PLN-30 series possess superior working efficiency that up to 85.5% 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.



In the constant current region, the highest voltage at the output of the driver depends on the configuration of the end systems.
Should there be any compatibility issues, please contact MEAN WELL.

Typical LED power supply I-V curve