

IP42

IS 15885(Part 2/Sec13) IS 15885(Part 2/Sec13)  
 R-62002178 R-41027766  
 (made in India only) (except for 5V)



## ■ Features

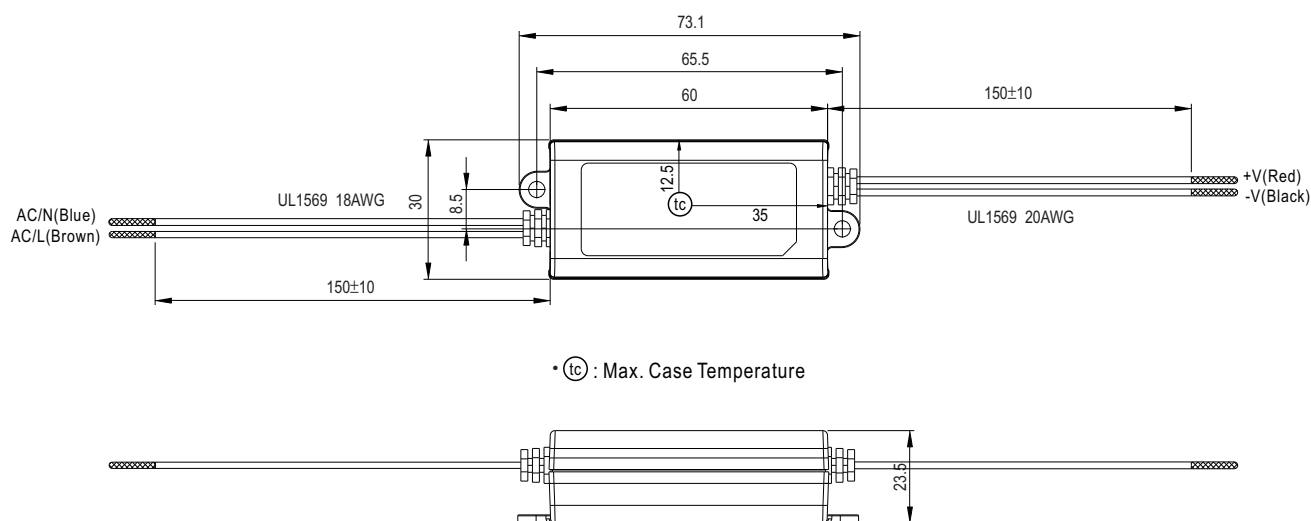
- Constant voltage design
- Universal AC input / Full range
- Class II power unit, no FG
- Fully isolated plastic case
- IP42 design
- Small and compact size
- Cooling by free air convection
- Protections: Short circuit / Overload / Over voltage
- No load power consumption <0.5W
- 100% full load burn-in test
- 2 years warranty

## ■ Applications

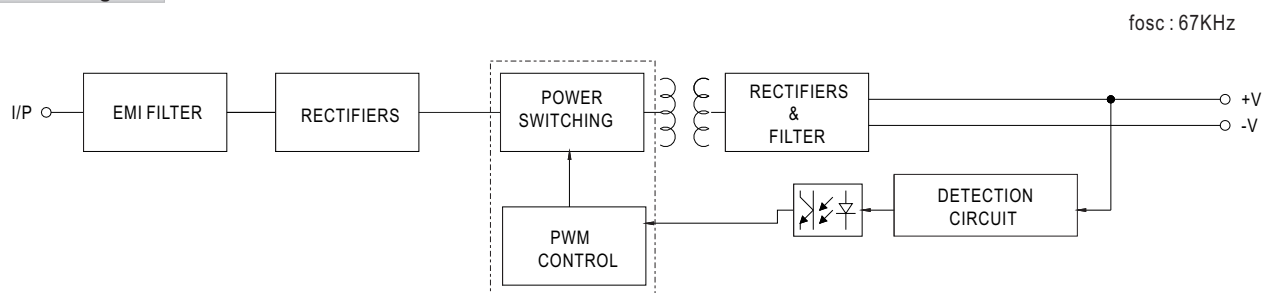
- Suitable for LED related fixture or appliance (such as LED Decoration or Advertisement devices)

## ■ Mechanical Specification

Unit:mm Tolerance:±1



## ■ Block Diagram



## SPECIFICATION

OUTPUT	DC VOLTAGE	24V
	RATED CURRENT	0.34A
	CURRENT RANGE	0 ~ 0.34A
	RATED POWER	8.16W
	RIPPLE & NOISE (max.) Note.2	300mVp-p
	VOLTAGE TOLERANCE Note.3	±5.0%
	LINE REGULATION	±1.0%
	LOAD REGULATION	±2.0%
	SETUP, RISE TIME	500ms, 30ms / 230VAC      1500ms,30ms / 115VAC at full load
	HOLD UP TIME (Typ.)	20ms/230VAC at full load
INPUT	VOLTAGE RANGE Note.4	90 ~ 264VAC      127 ~ 370VDC (Note.6)
	FREQUENCY RANGE	47 ~ 63Hz
	EFFICIENCY (Typ.)	81%
	AC CURRENT	0.15A/230VAC    0.3A/115VAC
	INRUSH CURRENT(Typ.)	COLD START 70A(twidth=120μs measured at 50% Ipeak) at 230VAC
	LEAKAGE CURRENT	0.25mA / 240VAC
PROTECTION	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed
	OVER LOAD	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
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 ~ 45°C)
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes
SAFETY & EMC	SAFETY STANDARDS Note.8	UL8750,CSAC22.2 No.250.0-08,BIS IS15885(except for 5V), BIS IS15885(R-62002178 made in India only), EAC TP TC 004, BS EN/EN 62368-1 approved
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH
	EMC EMISSION	Compliance to BS EN/EN55032,BS EN/EN61000-3-2,BS EN/EN61000-3-3, EAC TP TC 020
	EMC IMMUNITY	Compliance to BS EN/EN55035,BS EN/EN61000-4-2,3,4,5,6,8,11; light industry level(surge 2KV), EAC TP TC 020
OTHERS	MTBF	9638.4K hrs min.    Telcordia SR-332 (Bellcore) ;    1631.5K hrs min.    MIL-HDBK-217F (25°C)
	DIMENSION	60*30*23.5mm(L*W*H)
NOTE	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</p> <p>3. Tolerance : includes set up tolerance, line regulation and load regulation.</p> <p>4. Derating may be needed under low input voltage. Please check the static characteristics for more details.</p> <p>5. 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.</p> <p>6. When applying DC voltage for input, please connect the brown input wire to the positive side whereas blue input wire to the negative side.</p> <p>7. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).</p>	