

Key features



● Constant voltage design

- International wide range AC voltage input
- Can bear 300Vac surge input 5 seconds
- Natural air cooling, insulation plastic shell
- Output overload, short circuit and over voltage protection
- IP67 level full protection type
- Test through LPS (limited power supply)
- Suitable for LED lighting and electronic subtitles screen etc.
- 100% test and work
- 3 years product warranty

LPS

IP67

RoHS

CE

Electrical specifications

Model	Input voltage	Output Power(W)	Output voltage(V)	Output current(A)	Ripple(mv)	Efficiency (%)
LW35-S05	90-264Vac	30	5	6	100	77
LW35-S12	90-264Vac	36	12	3	100	84
LW35-S15	90-264Vac	36	15	2.4	100	84
LW35-S24	90-264Vac	36	24	1.5	100	85
LW35-S36	90-264Vac	36	36	1	100	86

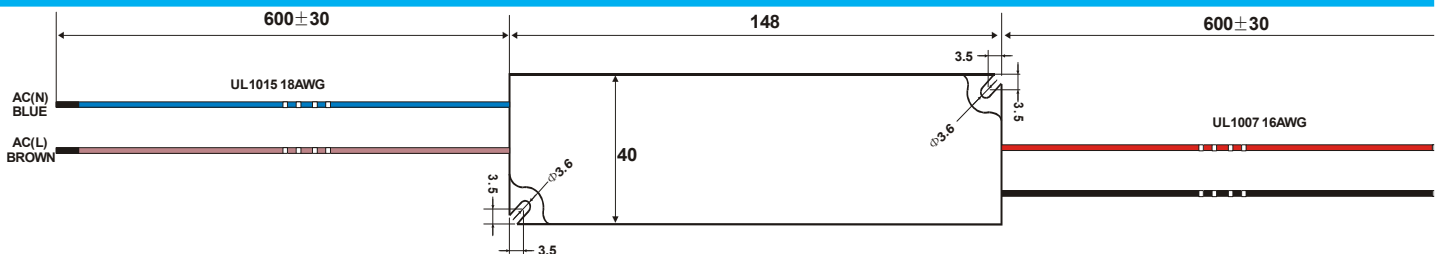
General features

Output	Output accuracy	±3.0%
	Line regulation	±1.0%
	Load regulation	±2.0%
	Setup rise time(TYP)	100ms/230VAC 200ms/115VAC at full load
	Output hold-up time(TYP)	50ms/230VAC 16ms/115VAC at full load
Input	Input voltage range	90~ 264VAC 127 ~ 370VDC



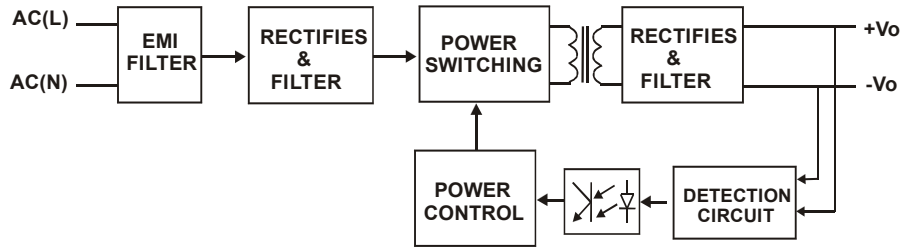
	Input frequency	47 ~ 63Hz
	Input current(TYP)	1.1A / 115VAC 0.7 A / 230VAC
	Inrush current(TYP)	Cold boot 55 A(Under 50%Ipeak test twidth510μs)/230Vac
	Recommended values for External Fuses	10Ω/2W
	Leakage current(TYP)	< 0.1mA at 265VAC/50Hz
Protection	Over-current and short circuit protection, automatic recovery after troubleshooting	
Working environment	Operating temperature	-40 ~ +70°C
	Humidity	20 ~ 90%RH, No condense
	Storage temperature	-40 ~ +80°C, 10 ~ 95%RH
	Temperature coefficient	0.03%/ (0~ 50°C)
	Vibration coefficient	10-500Hz, 2G 10min./1 cycle, 60min.each along X,Y,Z axes
Safety and EMC(Note:3)	Safety standards	UL1310 class2, CAN/CSA NO.223-M91,CBIEC61347-2-13,IP67; Design reference TUVEN60950-1
	I/O-isolation voltage	I/P-O/P:4000VAC
	insulation resistance	I/P-O/P:> 100MΩ/500VDC/25°C/70%RH
	EMI / RFI conducted	EN55011, EN55022 (CISPR22) CLASS B
	ESD	IEC/EN 61000-4-2 level 4 8kV/15kV
	RS	IEC/EN 61000-4-3
	EFT	IEC/EN 61000-4-4 level 4 4kV
Others	Surge	IEC/EN 61000-4-5 level 4 2kV
	MTBF	200K hrs min. MIL-HDBK-217F(25)
Notes	Dimension	148*40*30mm(L*W*H)
	<ol style="list-style-type: none"> All parameters NOTspecially mentioned are measured at 230VAC input, humidity <75% rated load and 25 of ambient temperature Ripple & noise are measured at 20MHz of bandwidth by using a 120mm twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. See application map Precision:Including setting error, voltage regulation and load regulation The power need reducing the amount of output ,when in the low input voltage conditions , it can according to the derating curve. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. The power may not be suitable for using in European countries. See the local standards The power is suitable for indoor and outdoor without direct sunlight. Please avoid soaking in water for more than 30 minutes. 	

Dimension



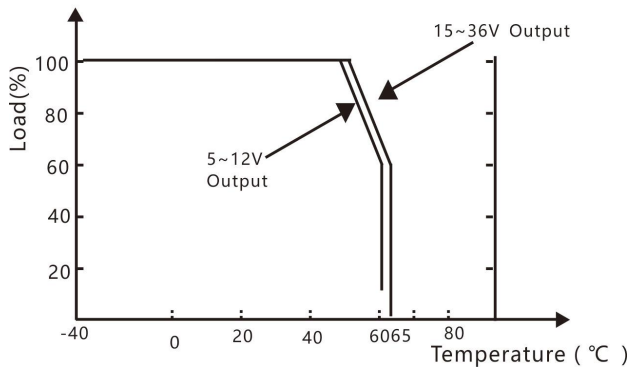


Block diagram

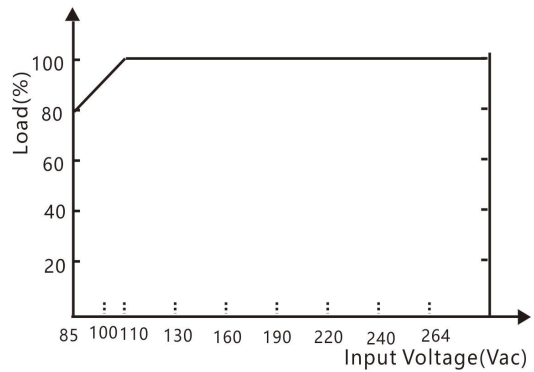


Output derating

Temperature derating line



Relation between load and input voltage



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