

Special Features

- Universal Input Voltage range
- High Efficiency and Reliability
- Small size and low profile
- AC inlet: C6, C8
- High power density
- Low lose in empty load
- Low output ripple
- MTBF demonstrated: >50,000 hours



Electrical Specs

Input

- Input voltage 90~264 VAC
- Frequency 47-63 Hz
- Input Current 1.2A @ Vin90Vac full load
- Inrush Current 30/60A @ Vin110/230Vac, Cold start
- Efficiency 80% min
- Leakage Current <3.5mA @ 50/60 Hz.

Output

- Maximum power 90W max
- Hold Up Time ≥ 10 msec 240Vac input voltage
- Overload protection $\leq 150\%$ @ all input voltage
- Over shoot $\leq 10\%$ of normal voltage value.
- SCP short circuited protection and with auto-recovery function

Environment

Operating temperature : 0° to 40°C

Storage temperature : -20°C to +80°C

Operating Humidity : 20% to 80% RH.

Storage Humidity : 5% to 95% RH

Vibration:

Three orthogonal axes, sweep at 1 oct/min, 5 min. dwell at four

major resonances 0.75G peak 5Hz to 500Hz, operational.

Contact Information

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Safety

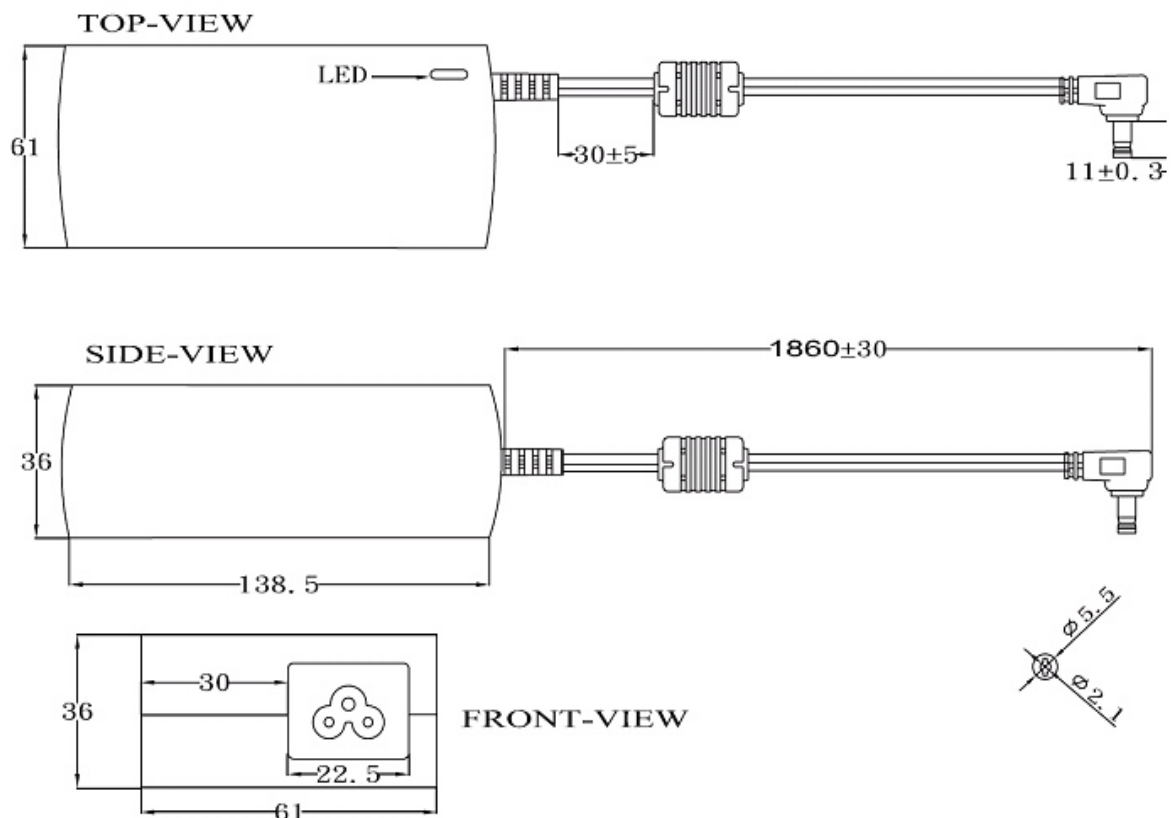
- UL/cUL (UL60950-1) ● BSMI
- CE/CB (EN60950-1) ● PSE
- GS/TUV (EN60950-1)
- EMC standard: EN55022 and FCC part 15 (class B)



Ordering Information

Part Number	Input Volts	Output Volts	Road	Max Power	Regulation	Ripple P/P (PARD)
STD-1207	100~240 Vac	12Vdc	7A	84W	± 5%	120mV
STD-1506	100~240 Vac	15Vdc	6A	90W	± 5%	150mV
STD-1656	100~240 Vac	16Vdc	5.6A	90W	± 5%	200mV
STD-1805	100~240 Vac	18Vdc	5A	90W	± 5%	200mV
STD-1947	100~240 Vac	19Vdc	4.74A	90W	± 5%	200mV
STD-2045	100~240 Vac	20Vdc	4.5A	90W	± 5%	200mV
STD-2437	100~240 Vac	24Vdc	3.75A	90W	± 5%	250mV

Mechanical Drawing



Notes:

1. Dimensions shown in mm as left.
2. Size: 138.5 x 61x 36mm (+/-1.0mm)
3. AC inlet and DC cable: Of your choice.



Concentric Barrel Plug		
A (OD)	B (ID)	C (L)
6.5	3.0	8~14
5.5	2.5	8~14
5.5	2.1	8~14
5.0	2.5	8~14
5.0	2.1	8~14
3.8	1.35	8~14
3.8	1.05	8~14
3.5	1.35	7~14