



200W SWITCHING POWER SUPPLY SINGLE OUTPUT SL-200 Series



■Applications

- .Industrial automation machinery
- .Industrial control system
- .Testing and measuring instruments
- .Household appliances
- .Led lighting appliances
- .Aging equipment
- .IT communication equipment

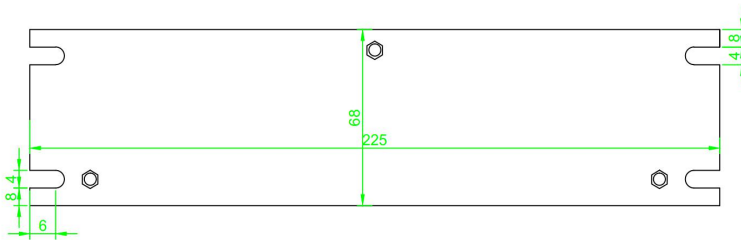
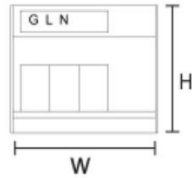
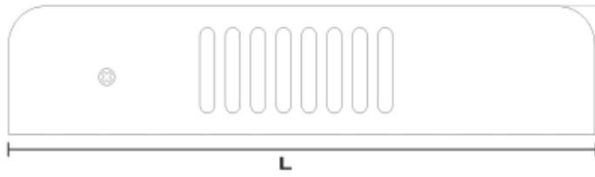
■Features

- Protection: short-circuit, overload
- 100% full-load aged
- Withstand 300VAC surge input for 5 seconds
- 20~+60°C Working temperature
- 5G vibration tested
- High efficiency, long life span, and high reliability
- LED indicator for power on
- 3 years warranty

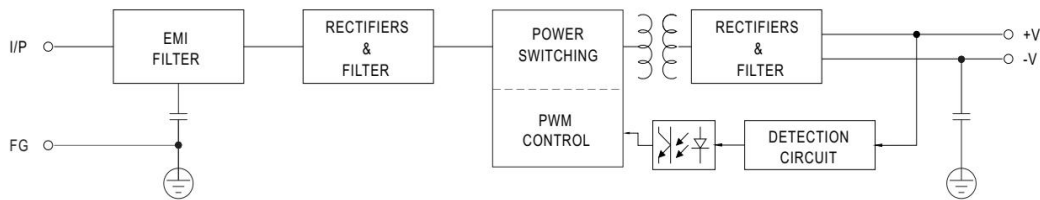
Specifications

| Product No. | | SL-200-12 | SL-200-24 | | | | |
|----------------------------|--|--|-----------|--|--|--|--|
| Output | DC voltage | 12V | 24V | | | | |
| | Rated Current | 16.5A | 8.3A | | | | |
| | Current Range | 0-16.5A | 0-8.3A | | | | |
| | Rated Power | 200W | 200W | | | | |
| | Ripple and Noise(Max)Note.2 | 150mVp-p | 240mVp-p | | | | |
| | Voltage adjustment | 10.8-13.2V | 22-27.6V | | | | |
| | Voltage Accuracy Note3 | ±1% | ±1% | | | | |
| | Linear Adjustment Note4 | ±0.5% | ±0.5% | | | | |
| | Load Adjustment Note5 | ±0.5% | ±0.5% | | | | |
| | Start and rise time | 1000ms,30ms/230VAC 1000ms,30ms/110V | | | | | |
| Hold time (Typ) | 50ms/230VAC 10ms/115AC | | | | | | |
| Input | Voltage range | 176-264AC | | | | | |
| | Frequency range | 50Hz/60Hz | | | | | |
| | Efficiency (Typ) | 80% | 82% | | | | |
| | AC current (Typ) | 3.4A/110V 1.7A/220V | | | | | |
| | Surge current (Typ) | Cold Start: 65A/230VAC | | | | | |
| | Current leak | <2mA/240VAC | | | | | |
| Protection | Overload | Larger than 105% of capacity | | | | | |
| | | Protection type : Hiccup mode, recovers automatically after fault condition is removed | | | | | |
| | Overvoltage | Protection type :Shut down O/P voltage,re-power on to recover | | | | | |
| | Overheat | | | | | | |
| Environment | Working temp. | -20~+60°C (Refer to the tenuation curve) | | | | | |
| | Working humidity | 20~90% RH, without condense | | | | | |
| | Storage temp & hmdty | -40~+80°C | | | | | |
| | Temp. coefficient | ±0.03%/°C (0~50°C) | | | | | |
| | Vibration proof | 10~500HZ,5G 10min / cycle, X、Y、Z axes 60 min each | | | | | |
| Safety reg. & EMC (Note.6) | Safety regulation | GB195110.1-2004/IEC61347-1:2003 CE(EMC+LVD) | | | | | |
| | Voltage proof | I/P-O:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC | | | | | |
| | insulation resistance | I/P-O/P, I/P-FG,O/P-FG:100M Ohms/500VDC/25°C/70% RH | | | | | |
| | EMC irradiation | EN 55032A:2006;EN61000-3-2:1995+A2:2005 | | | | | |
| | EMC disturbance proof | EN 61000-3-2:2006; | | | | | |
| | Dimensions | 225x68x40mm(L*W*H) | | | | | |
| | Packing | 0.55kg/PCS;30PCS/16.5kg | | | | | |
| Notes: | 1. All parameters NOT specially mentioed are measured at 230VAC input, rated load and 25°C of ambient temperature. 2.Ripple and noise are measured at 20MHz bandwidth by using a 12" twisted pair-wire terminated with a 0.1μF and a 47 μF parallel capacitor. 3.Accuracy: including preset errors, linear adjustment rate and load adjustment rate. 4.Linear adjustment: taken under rated load from low voltage to high voltage. 5.Load adjustment: taken under 0~100% of rated load. 6. The power supply is taken as part of the whole system, and needs to be confirmed with final equipment for EMC. | | | | | | |

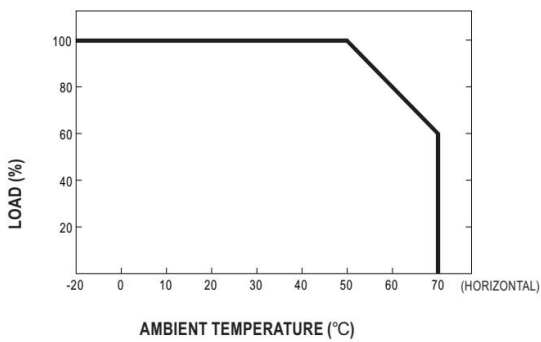
■ Mechanical Specification



■ Block Diagram



■ Derating Curve



■ Output Derating VS Input Voltage

