


Features:

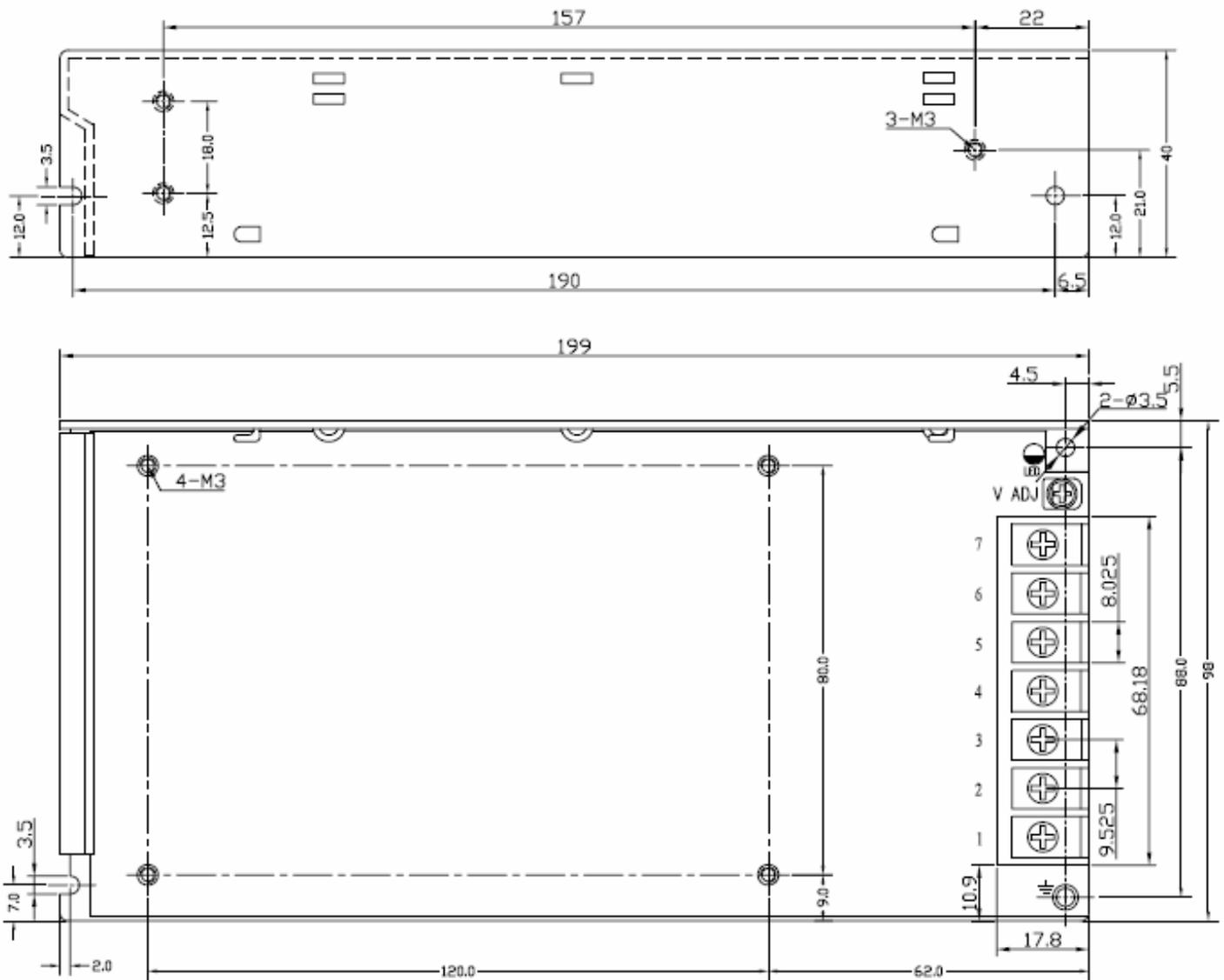
- High Efficiency, and High reliability
- Output protections: OCP/OPP/SCP
- Wide operating ambient temperature (-10°C ~50°C)
- All using 105°C long life electrolytic capacitors.
- 100% full load burn-in test
- 2 years warranty

SPECIFICATION

| MODEL | | GST-H150S5 | GST-H150S12 | GST-H150S24 | GST-H150S28 | GST-H150S36 | GST-H150S48 | |
|--------------------------|--|---|-------------|-------------|-------------|-------------|-------------|-----|
| OUTPUT | DC Output | 5.0V | 12V | 24V | ... 28V | 36V | 48V | |
| | Rated Current | 30A | 12.5A | 6.0A | 5.5A | 4A | 3.0A | |
| | Current Range | 0-30A | 0-12.5A | 0-6.0A | 0-5.5A | 0-4.0A | 0-3.0A | |
| | Ripple and Noise Note 2 | 50mV | 120mV | 200mV | 200mV | 200 mV | 200mV | |
| | Voltage ADJ. Range | ±5% of rated output voltage | | | | | | |
| | Voltage Accuracy | ±2.0% | ±2.0% | ±2.0% | ±2.0% | ±2.0% | ±2.0% | |
| | Line Regulation | ±0.5% | | | | | | |
| | Load Regulation | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | |
| | Set-up Time | <=1.0S (220Vac input, Full load) | | | | | | |
| | Hold up Time | >=20mS(220Vac input, Full load) | | | | | | |
| | Temperature Coefficient | ±0.03%/°C | | | | | | |
| Overshoot and Undershoot | <5.0% | | | | | | | |
| INPUT | Voltage Range | 176Vac~265Vac | | | | | | |
| | Frequency Range | 47Hz~63Hz | | | | | | |
| | Efficiency (Typical) | 220Vac | 75% | 80% | 81% | 82% | 85% | 85% |
| | AC Current (max.) | 4.0A | 2.0A | 1.9A | 2A | 2.0A | 1.8A | |
| | Inrush Current (Typical) | 40A@220Vac Cold start | | | | | | |
| | Leakage Current | <3.5mA | | | | | | |
| PROTECTION | Over Current | 105%~150% of rated output current, auto recovery | | | | | | |
| | Over Power | 105%~150% of rated output current, auto recovery | | | | | | |
| | Shorted Circuit | Long-term mode,auto recovery | | | | | | |
| ENVIRONMENT | Operating amb. Temp. & Hum. | -10°C~50°C; 20%~90%RH No condensing | | | | | | |
| | Storage Temp. & Hum. | -25°C~85°C; 10%~95%RH No condensing | | | | | | |
| SAFETY & EMC | Safety Standards | EN60950-1 | | | | | | |
| | Withstand Voltage | Primary-Secondary:1.5KVac; Primary-PG:1.5KVac; Secondary-PG:0.5KVDC | | | | | | |
| | Isolation Resistance | 100M ohms | | | | | | |
| OTHERS | MTBF (MIL-HDBK-217F) | More than 100,000Hrs (25°C, Full load) | | | | | | |
| | Dimension (L*W*H) | 199×98×40mm | | | | | | |
| | Connection | 7P/8.025mm barrier terminal block | | | | | | |
| | Cooling method | Cooling by free air convection | | | | | | |
| NOTE | 1. All parameters NOT specially mentioned are measured at rated input, rated load and 25°C of ambient temperature. 2. Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF & 47uF parallel capacitor. | | | | | | | |

Mechanical Specification

Unit: mm



| Pin No. | Assignment |
|---------|---------------|
| 1 | AC input -N |
| 2 | AC input+L |
| 3 | F.G |
| 4 | DC output :-V |
| 5 | DC output :-V |
| 6 | DC output :+V |
| 7 | DC output :+V |