



### Features:

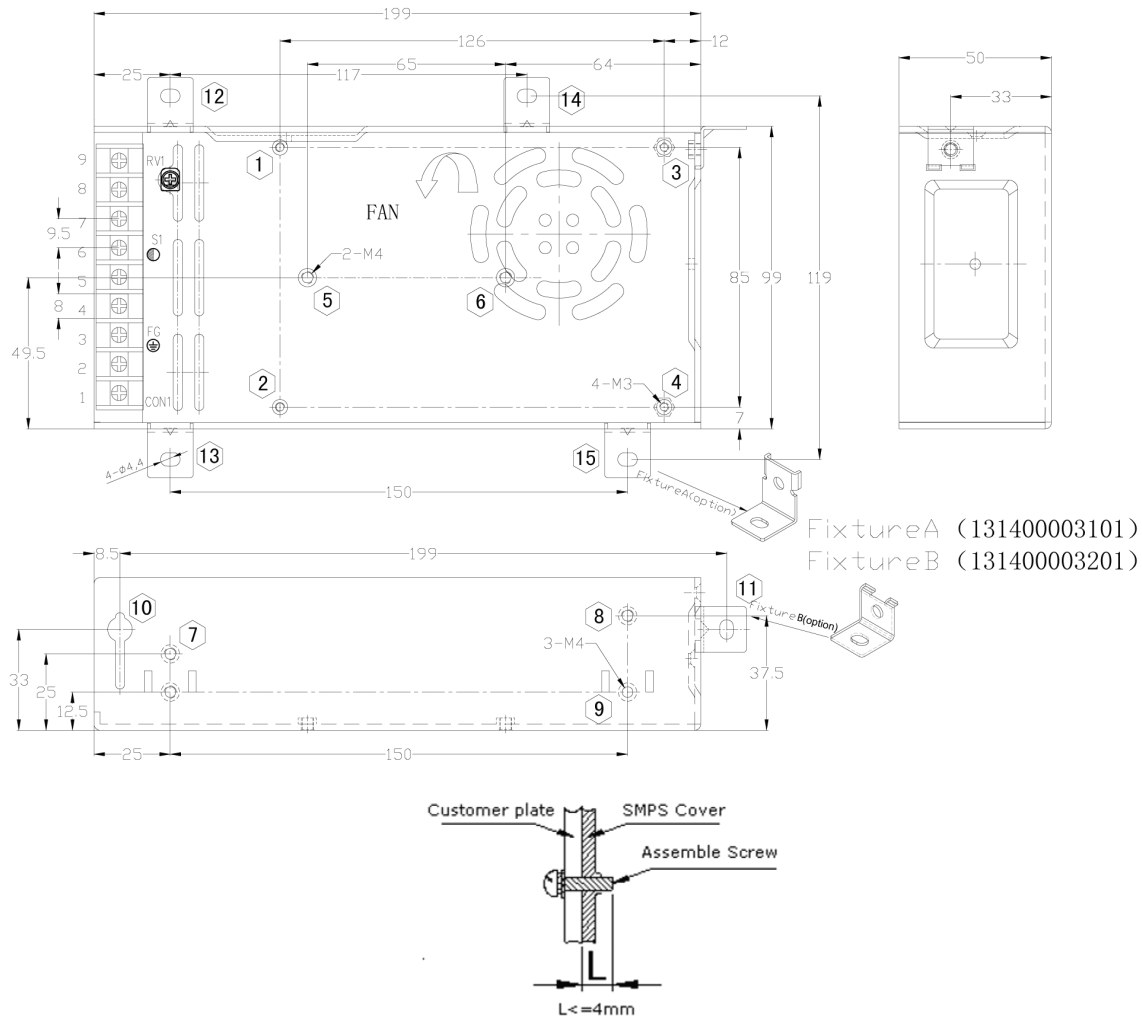
- Universal AC input
- Built in active PFC, PF>0.95
- Operating altitude up to 5000m
- 100% full load burn in test
- PCB both sides with conformal coating

- Highly efficient and high reliability
- Protections:  
SCP/OLP/OPP
- Built in cooling fan speed control
- 3 Year Warranty

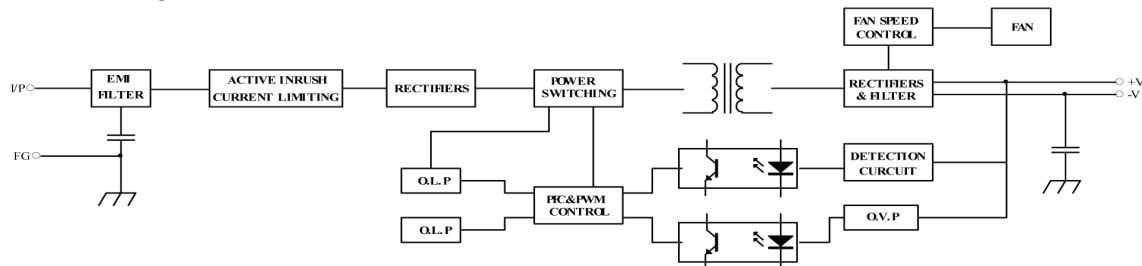
| Specifications                  |   |              |              |              |              |
|---------------------------------|---|--------------|--------------|--------------|--------------|
| Part Number                     | GKF-320-5II   | GKF-320-12II | GKF-320-24II | GKF-320-36II | GKF-320-48II |
| DC Output                       | 5V  | 12V          | 24V          | 36V          | 48V          |
| Rated Current                   | 55A   | 25A          | 13A          | 8.8A         | 6.7A         |
| Current Range                   | 0~55A   | 0~25A        | 0~13A        | 0~8.8A       | 0~6.7A       |
| Ripple & Noise                  | <150mV  | <150mV       | <200mV       | <200mV       | <200mV       |
| Voltage ADJ. Range              | -5%~+10% rated output voltage   |              |              |              |              |
| Voltage Accuracy                | +1.0%   |              |              |              |              |
| Line Regulation                 | +0.5%   |              |              |              |              |
| Load Regulation                 | +1.0%   |              |              |              |              |
| Set-up Time                     | <2S (230Vac input, Full load)   |              |              |              |              |
| Hold up Time                    | >10mS (230Vac input, Full load)   |              |              |              |              |
| Temperature Coefficient         | +0.03%  |              |              |              |              |
| Overshoot and Undershoot        | <5.0%   |              |              |              |              |
| Voltage Range                   | 85Vac~264Vac, 120Vdc~370Vdc   |              |              |              |              |
| Frequency Range                 | 47Hz~63Hz   |              |              |              |              |
| Power Factor (Typical)          | PF>0.98/115VAC PF>0.95/230VAC   |              |              |              |              |
| Efficiency (Typical)            | 79%   | 84.5%        | 87%          | 87%          | 87.5%        |
| AC Current (max.)               | <4.5A   |              |              |              |              |
| Inrush Current (Typical)        | <50A@230Vac <30A@115Vac Cold Start  |              |              |              |              |
| Leakage Current                 | Input-Output:<0.25mA Input-PG:<1.0mA  |              |              |              |              |
| Over Load                       | 105%~150% of rated output current, hiccup mode, auto recovery                             |              |              |              |              |
| Over Power                      | 105%~150% of rated output current, hiccup mode, auto recovery                             |              |              |              |              |
| Short Circuit                   | Long-term mode, auto recovery   |              |              |              |              |
| Operating amb. Temp. & Hum.     | -25°C ~ 70°C; 20%~90%RH No condensing   |              |              |              |              |
| Vibration                       | 10 ~ 500Hz, 2G 10min/1 cycle period for 60 minutes.                                       |              |              |              |              |
| Storage Temp. & Hum.            | -40°C ~ 85°C; 10% ~ 95% RG No condensing  |              |              |              |              |
| Safety Standards                | UL60950-1 2nd ED; IEC 60950-1:2005(2nd ED) ;EN60950-1:2006                                |              |              |              |              |
| Withstand Voltage               | Primary-Secondary: 3.0KVac; <10mA. Primary-PG: 1.5K Vac <10mA Secondary-PG: 0.5KVDC;<10mA |              |              |              |              |
| Isolation Resistance            | >100M ohms  |              |              |              |              |
| EMI Conduction & Radiation      | Compliance to EN55022, EN55024 Class B  |              |              |              |              |
| Harmonic Current                | Compliance to EN61000-32,-3   |              |              |              |              |
| EMS Immunity                    | Compliance to EN61000-4-2,3,4,5,6,8,11; EN55024, EN61000-6-2 heavy industry level         |              |              |              |              |
| MTBF (Mean time before failure) | More than 200,000Hrs (25°C Full load)   |              |              |              |              |
| Dimensions                      | 199x99x50mm   |              |              |              |              |
| Packing                         | 12PCS/CTN, 9.8KGS, 0.04CBM  |              |              |              |              |
| Cooling method                  | Cooling by forced air (built in DC fan)   |              |              |              |              |

## Mechanical Specification

unit:mm



## Block Diagram



## Derating Curve

