



### 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)				



## Stontronics Ltd

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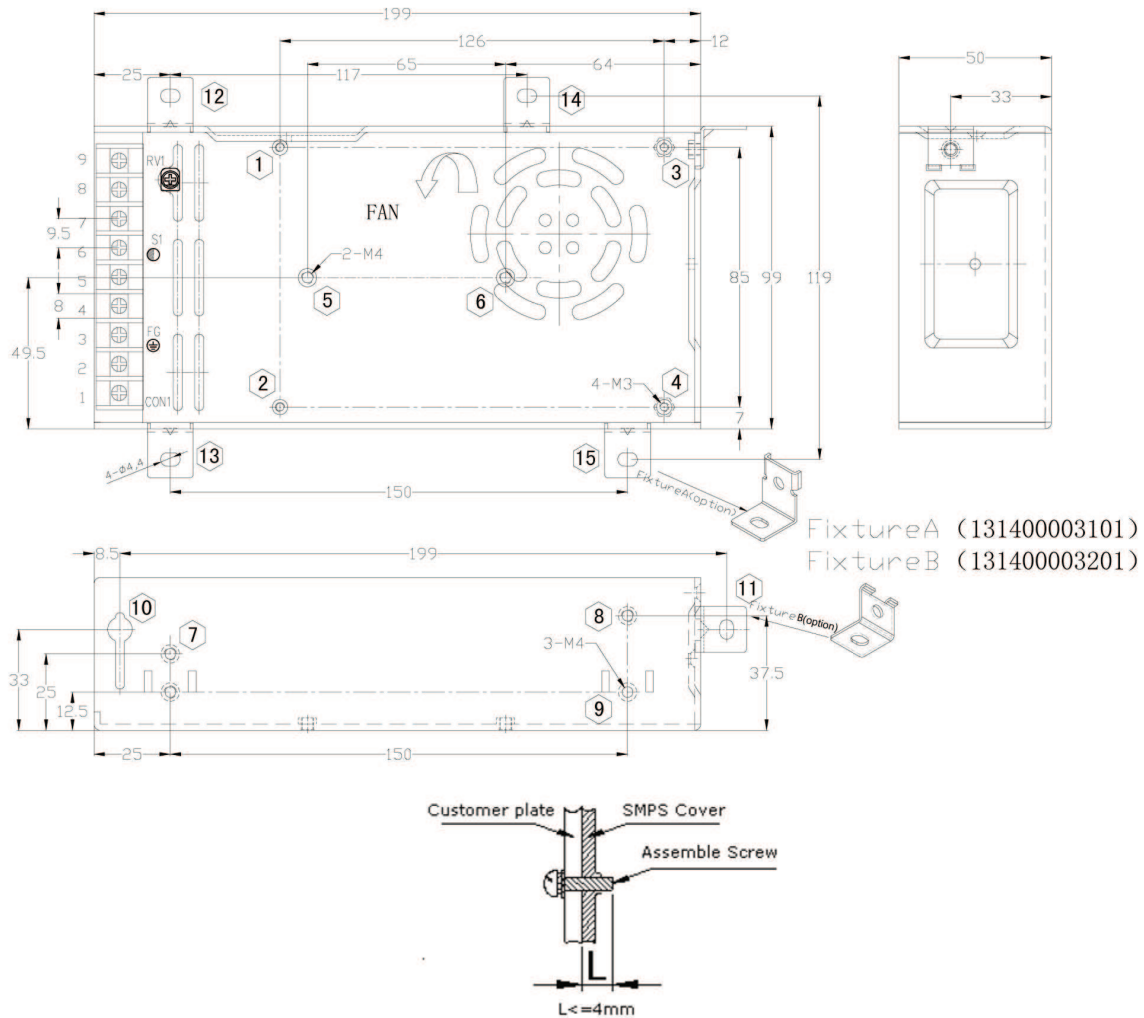
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Please Note: Image shown is representative of entire range. Individual PSU image &/or drawings or data sheets available on request.

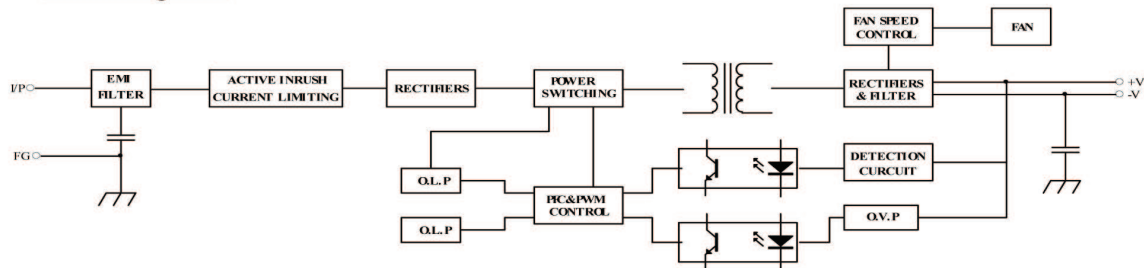
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## Mechanical Specification

unit:mm



## Block Diagram



## Derating Curve

