

GK1200 series

■ Features

- AC input 180-260 only PF>0.98@230VAC
- Class II power
- Protections : Short circuit /overload/over voltage/ over temp.
- Forced air cooling by build-in fan
- Built-in power good signal out , Built-in remote ON/OFF control
- Built-in remote sense function , Built-in parallel operation function(N+1)
- Can adjust from 20-100% out voltage by external control 1-5VDC
- 100% full load burn-in test
- Approvals : UL/CE/CCC
- 1 year warranty



SPECIFICATION

| Model | GK-1200-12 | | GK-1200-24 | | GK-1200-48 | | |
|--------------|----------------------------|---|--------------------------|--------------------------------|------------|------------|--|
| Output | DC Voltage | 12V | | 24V | | 48V | |
| | Rated Current | 100A | | 50A | | 25A | |
| | Current Range | 0-100A | | 0-50A | | 0-25A | |
| | Rated Power | 1200W | | 1200W | | 1200W | |
| | Ripple & Noise | 150mVp-p | | 240mVp-p | | 480mVp-p | |
| | Voltage ADJ. Range | 11.4-13.2V | | 22.8-26.4V | | 45.6-52.8V | |
| | Voltage Tolerance | ±1.5% | | ±1.0% | | ±1.0% | |
| | Line Regulation | ±0.5% | | ±0.5% | | ±0.5% | |
| | Load Regulation | ±1.5% | | ±0.5% | | ±0.5% | |
| | Set up , rise time | 300ms, 50ms/230Vac | | 800ms,50ms/115Vac at full load | | | |
| Hold Time | 90ms/230Vac | | 12ms/115Vac at full load | | | | |
| Input | Voltage Range | 180Vac~264Vac | | | | | |
| | Frequency Range | 47~63Hz | | | | | |
| | Efficiency | 85% 115Vac | | 87% 115Vac | | 89% 115Vac | |
| | AC current | 11A/230Vac | | | | | |
| | Inrush Current | Cold start 60A/230Vac | | | | | |
| | Leakage Current | <0.75mA 240Vac | | | | | |
| Protection | Over Load | 105% -150% rated output power Hiccup mode, recovers automatically after fault condition is removed . | | | | | |
| | Over Voltage | 13.8~16.2V | | 27.6~32.4V | | 55.2~64.8V | |
| Environment | Working temp. | -10~ +60°C (refer to output derating curve) | | | | | |
| | Working Humidity | 20~90%RH non-condensing | | | | | |
| | Storage Temp., Humidity | -20~+85°C , 10~95% RH | | | | | |
| | Temp. Coefficient | ±0.03%/°C (0~50°C) | | | | | |
| | Vibration | 10~500Hz, 2G 10min./1cycle , period for 60min , each along X, Y, Z axes | | | | | |
| Safety & EMC | Safety Standard | UL1012,UL60950-1 approved . | | | | | |
| | Withstand Voltage | I/P-O/P:3KVac , I/P-FG:1.5KVac, O/P-FG:0.5KVac | | | | | |
| | Isolation Resistance | I/P-O/P,I/P-FG,O/P-FG:100M Ohms/500Vdc | | | | | |
| | EMI Conduction & Radiation | Compliance to EN55022 Class B | | | | | |
| | Harmonic Current | Compliance to EN61000-3-2,-3 | | | | | |
| | EMS Immunity | Compliance to EN61000-4-2,3,4,5,EN55024 | | | | | |
| Others | MTBF | 50,000hours min 25°C | | | | | |
| | Dimension | 291x132x132 | | | | | |
| | Weight | 4.5KGS/PC | | | | | |

