



Features:

- Universal AC input / Full range
- Protection: Short circuit / Over load / Over voltage
- Cooling by free air convection
- 100% full load burn-in test
- Fixed switching frequency
- Approval: CE
- 2 years warranty



SPECIFICATION

| MODEL | | K20-05 | K20-12 | K20-15 | K20-24 | K20-48 |
|--------------|----------------------------|--|------------|--------------|------------|------------|
| OUTPUT | DC VOLTAGE | 5V | 12V | 15V | 24V | 48V |
| | RATED CURRENT | 4.0A | 2.0A | 2.0A | 1.0A | 0.5A |
| | CURRENT RANGE | 0~4.0A | 0~2.0A | 0~2.0A | 0~1.0A | 0~0.5A |
| | RATED POWER | 20W | 24W | 30W | 24W | 24W |
| | RIPPLE & NOISE (max.) | 80mVp-p | 150mVp-p | 150mVp-p | 200mVp-p | 240mVp-p |
| | OUTPUT VOLTAGE ADJ. RANGE | 4.5~5.5V | 10.8~13.2V | 13.5~16.5V | 21.6~26.4V | 43.2~52.8V |
| | VOLTAGE TOLERANCE | ±2.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% |
| | LINE REGULATION | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% |
| | LOAD REGULATION | ±1.0% | ±0.5% | ±0.5% | ±0.5% | ±0.5% |
| | SETUP, RISE TIME | 300ms, 30ms/230VAC 800ms, 50ms/115VAC at full load | | | | |
| | HOLD UP TIME (Typ.) | 100ms/230VAC 20ms/115VAC at full load | | | | |
| INPUT | VOLTAGE RANGE | 100~264VAC | | | | |
| | FREQUENCY RANGE | 47~63Hz | | | | |
| | EFFICIENCY (Typ.) | 77% | 79% | 81% | 85% | 87% |
| | AC CURRENT (Typ.) | 0.6A / 115VAC 0.35A / 230VAC | | | | |
| | INRUSH CURRENT (Typ.) | COLD START 13A/115VAC 25A/230VAC | | | | |
| | LEAKAGE CURRENT | <2mA / 240VAC | | | | |
| PROTECTION | OVERLOAD | 180~220% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed | | | | |
| | OVER VOLTAGE | 5.75~6.75V | 13.8~16.2V | 17.25~20.25V | 27.6~32.4V | 55.2~64.8V |
| | | Protection type: Shut off | | | | |
| ENVIRONMENT | WORKING TEMP. | -20°C~ +50°C | | | | |
| | WORKING HUMIDITY | 20%~90%RH (non condensing) | | | | |
| | STORAGE TEMP., HUMIDITY | -40°C~ +85°C, 10%~95%RH | | | | |
| | TEMP. COEFFICIENT | ±0.03%/°C (0~45°C) | | | | |
| | VIBRATION | 10~500Hz, 2G 10min./1 cycle, period for 60 min. each along X, Y, Z axes | | | | |
| SAFETY & EMC | SAFETY STANDARDS | EN60950-1 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 | EN55022 approved | | | | |
| | HARMONIC CURRENT | EN61000-3-2, -3 approved | | | | |
| | EMS IMMUNITY | EN55024 approved | | | | |
| OTHERS | MTBF | ≥500 Khrs. MIL-HDBK-217F (25°C) | | | | |
| | DIMENSION | 78*48*22mm (L*W*H) | | | | |
| | WEIGHT | 0.120Kg | | | | |

* 3~48VDC output all available

