



CHANGZHOU CHUANGLIAN POWER SUPPLY CO. , LTD.

Unit E, Jiajing Industry Zone, Waihuan Road, Changzhou, Jiangsu, China

TEL: 86 519 85215050 85215959 FAX: 86 519 85215252 85209750

A-200-5

Protections: Short circuit, Over Load

Fixed switching frequency at 50 KHz

Free Air Cooling Convection

100% full load High Temperature burn-in test

1 year warranty

A-200-5 Switching Power Supply

1、 Input parameter
1.1 AC input voltage range: 176~264VAC
1.2 AC input voltage frequency: 47~63Hz
1.3 AC input current: 2.1A/230VAC
1.4 AC inrush current: Cold start, 30A at 230VAC
1.5 Efficiency: 78%
1.6 Leakage current: $\leq 3.5\text{mA}/240\text{VAC}$
2、 Output parameter
2.1 DC output voltage: 5VDC
2.2 DC output rated current: 40A
2.3 DC output current range: 0~40A
2.4 DC output rated power: 200W
2.5 Ripple & Noise (max): 100mVp-p
(Measured at 20MHz of bandwidth by using a 12mm twisted pair-wire)



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terminated with a 0.1uf & 47uf parallel capacitor)
2.6 DC output voltage adjustment range (min): 4.5~5.5V
2.7 DC output voltage tolerance: $\pm 0.5\%$
2.8 DC output load regulation: $\pm 1\%$
2.9 Power setup time: $\leq 500\text{mS}$ at full load 230VAC
2.10 Power rise time: $\leq 50\text{mS}$ at full load 230VAC
2.11 Power hold time: $\geq 20\text{mS}$ at full load 230VAC
2.12 Power respond time: 500uS
3、 Protection
3.1 Over Load: 110%~150% shut off mode, ac re-start to recovery
3.2 Short Circuit: shut off mode, ac re-start to recovery
4、 Working environment
4.1 Working temperature range: $-10\sim 40^{\circ}\text{C}$ @100%, 60°C @60% load
4.2 Working humidity range: 20~90%RH
4.3 Storage temperature range: $-20^{\circ}\text{C} \sim +85^{\circ}\text{C}$
4.4 Storage humidity range: 10~95%RH
4.5 Temperature coefficient: $\pm 0.03\%/^{\circ}\text{C}$ ($0\sim 50^{\circ}\text{C}$)
4.6 Vibration: 10~500Hz, 2G, 10min/cycle, 60min, each along X, Y, Z axes
5、 Safety
5.1 Safety standards: Design refer to GB4943-2001, UL60950-1



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5.2 Withstand voltage: I/P-O/P, I/P-FG:1.5KVAC, O/P-FG:0.5KVAC, 1 min							
5.3 Isolation resistance: I/P-O/P, I/P-FG, O/P-FG: 50M Ω /500VDC							
6、 Others							
6.1 MTBF: 100, 000 hours min, MIL-HDBK-217F(25 $^{\circ}$ C)							
6.2 Dimension: 199*110*50 (L*W*H)							
6.3 Connection: 9P/9.5mm pitch terminal block							
6.4 Weight: 0.90Kgs/pc							
6.5 Packing: 20pcs/Carton, 18.0Kgs							
Name	A-200-5	Design	ZOU	Auditing	WANG	Authorize	Wu
No.	CL2011070002	Date	0715	Date	0715	Date	0715