

SPECIFICATIONS

MODEL : LP500-B(500W)



ODA

TECHNOLOGIES
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| Parameter | | Specifications | | | | | |
|---|--|---|----------------|-------------------|--------------|---------------------|-----------------|
| Operating range(@0°C ~ 40°C) | Voltage | 3~250V | | | | | |
| | Current | 0~20A | | | | | |
| | Max Power | 500W at40°C(derated to 360W at 55°C) | | | | | |
| MODE SPECIFICATIONS | | | | | | | |
| CC MODE | RANGE | HIGH_0~20A LOW_0~2A | | | | | |
| | RESOLUTION | L:10mA :H100mA | | | | | |
| | Accuracy | ±0.1%±75mA (after 30sec wait) | | | | | |
| CV MODE | RANGE | 3~250V | | | | | |
| | RESOLUTION | 1V(remote sense) or 400mV(local sense) | | | | | |
| | Accuracy | ±0.1%±100mV | | | | | |
| CR MODE | RANGE | HIGH_10~20kΩ MID_1~2kΩ LOW_0.2~12Ω | | | | | |
| | Accuracy | HIGH&MID_±0.3%±8mΩ (with ≥6V at input) LOW_±0.8%±8mΩ (with ≥6A at input) | | | | | |
| | MEMORY CH | 2CH | | | | | |
| DYNAMIC MODE | Freq Range | 0.5Hz ~ 10KHz | | | | | |
| | Freq Accuracy | 3% | | | | | |
| | Duty Cycle Range | 6~97%(0.25~1kHz), 6~94%(1~10kHz) | | | | | |
| | Duty Cycle Accuracy | 6% of setting±2% | | | | | |
| | Pulse Width | 50µs±3%(min),4s±3%(max) | | | | | |
| | Current Range | 0~20A | | | | | |
| | Current Accuracy | ±0.1%±350mA | | | | | |
| | Voltage Range | 0~250V | | | | | |
| | Voltage Accuracy | ±0.1%±300mV | | | | | |
| | Mode | CC,CV | | | | | |
| PROTECTION | | | | | | | |
| OVP | 260V | | | | | | |
| OPP | 530W | | | | | | |
| OTP | 105°C(Heatsink Temp) | | | | | | |
| Short& Open | Shor | 33mΩ(max), 20mΩ(typical) | | | | | |
| | Open | ≥20kΩ | | | | | |
| Ripple& Noise | Current | 4mA(rms)/40mA(p-p) | | | | | |
| | Voltage | 10mV(rms) | | | | | |
| SLEW RATE (typical values: 5%~95%) | | | | | | | |
| X | Current Slew Rate(Conditions:3~250V) | | | Voltage Slew Rate | | Resistanc Slew Rate | |
| | | High Range Step | Low Range Step | Transition Time | Voltage Step | | Transition Time |
| | 1 | 0.34A/ms | 34A/s | 8.0ms | 4V/ms | | 8.0ms |
| | 2 | 0.83A/ms | 8.3A/s | 1.6ms | 10V/ms | | 3.2ms |
| | 3 | 1.7A/ms | 0.17A/ms | 800µs | 20V/ms | | 1.6ms |
| | 4 | 3.4A/ms | 0.34A/ms | 320µs | 40V/ms | | 800µs |
| | 5 | 8.3A/ms | 0.83A/ms | 160µs | 100V/ms | | 320µs |
| | 6 | 17A/ms | 1.7A/ms | 80µs | 200V/ms | | 160µs |
| | 7 | 34A/ms | 3.4A/ms | 32µs | 0.4V/µs | | 100µs |
| | 8 | 83A/ms | 8.3A/ms | 16µs | 1V/µs | | 100µs |
| 9 | 0.17A/µs | 17A/ms | 16µs | 2V/µs | 100µs | | |
| Remote Sensing | 5Vdc between sense And load input | | | | | | |
| INPUT AC | 220V ± 10% 50~60Hz/250mA | | | | | | |
| Remote Interface | RS-232C & RS-485 & USB | | | | | | |
| Cooling | Isolation DC FAN | | | | | | |
| Dimensions (19-inch 3U Standard) | 213mm(W) * 133mm(H) *530mm(D) (250~500W) | | | | | | |
| Weight | 9kg(Net weight) /10kg(Gross weight) | | | | | | |