

SPECIFICATIONS

MODEL : LF2100-A(2100W)



ODA

TECHNOLOGIES
www.odacore.com

| Parameter | | Specifications | |
|----------------------------------|--|---|-------------------------------------|
| Operating range(@0°C ~ 40°C) | Voltage | 1 to 150.0V | Maximum 157.5 |
| | Current | 0 to 420.0A | Maximum 441.0 |
| | Max Power | 0 to 2100.0W at 40°C | (derated to 1680.0W at 50°C) |
| MODE SPECIFICATIONS | | | |
| CC MODE | RANGE | HI 0 to 441.0A LOW 0 to 42.0A | |
| | RESOLUTION | LOW 1.0mA | HI 10.0mA |
| | Accuracy | ±0.1%±84.0mA (after 30sec wait) | |
| CV MODE | RANGE | HI 1 to 157.5V LOW 0 to 20.0V | |
| | RESOLUTION | LOW 1.0mV | HI 10.0mV |
| | Accuracy | ±0.05%±30.0mV | |
| CR MODE | RANGE | 0.02 to 428Ω | |
| | RESOLUTION | 10mΩ | |
| | Accuracy | ±0.5%±50mΩ (<50mS) | |
| CP MODE | RANGE | 0 to 2100.0W at 40°C | |
| | RESOLUTION | 100mW | |
| | Accuracy | ±0.5%±450mW (<50mS) | |
| ON/OFF MODE | RANGE | 0 to 441.0A | |
| | RESOLUTION | 10.0mA | |
| | Accuracy | ±0.1%±84.0mA (after 30sec wait) | |
| | ON/OFF TIME | 100mS~250H59M59S990mS(10mS Unit) | |
| | REPEAT | 1~65000 | |
| FUSE MODE | RANGE | 0 to 441.0A | |
| | RESOLUTION | 10.0mA | |
| | Accuracy | ±0.1%±84.0mA (after 30sec wait) | |
| | FUSE TIME | 100mS~250H59M59S990mS(10mS Unit) | |
| BAT MODE | CC | RANGE | 0 to 441.0A |
| | | Accuracy | ±0.1%±84.0mA (after 30sec wait) |
| | CR | RANGE | 0.02 to 428Ω |
| | | Accuracy | ±0.5%±50mΩ (<50mS) |
| | CP | RANGE | 0 to 2100.0W at 40°C |
| | | Accuracy | ±0.5%±450mW (<50mS) |
| | END Volt | 0 to 157.5V | |
| END CAP | 0.01 to 5000AH | | |
| CYCLE MODE | CC | RANGE | 0 to 441.0A |
| | | Accuracy | ±0.1%±84.0mA (after 30sec wait) |
| | CV | RANGE | 0 to 157.5V |
| | | Accuracy | ±0.05%±30.0mV |
| | CYCLE TIME | 100mS~250H59M59S990mS(10mS Unit) | |
| | STEP | 1~100Step | |
| REPEAT | 1~65000 | | |
| DYNAMIC MODE | MEMORY CH | | 2CH |
| | Freq Range | | 0.5Hz ~ 10KHz |
| | Freq Accuracy | | 3% |
| | Duty Cycle Range | | 3~97%(<200μS) |
| | Duty Cycle Accuracy | | 6% of settling±2% |
| | CC | Range | 0 to 441.0A |
| | | Accuracy | A ±0.1%±84.0mA B ±0.2%±168.0mA |
| | CV | Range | 0 to 157.5V |
| | | Accuracy | A ±0.05%±30.0mV B ±0.1%±60.0mV |
| | SLEW RATE(typical values: 5%~95%) | | |
| CC,CR,CP MODE | | <200uS(0 to 420.0A) | |
| CV MODE | | <2mS(0 to 150.0V) | |
| PROTECTION | | | |
| OVP | | 162.0V(<10mS) | |
| OCP | | 453.6A(<10mS) | |
| OPP | | 2268.0W(<10mS) | |
| OTP | | 100°C(Heatsink Temp) | |
| Short& Open | Shor | 100mΩ(max), 50mΩ(typical) | |
| | Open | ≥20kΩ | |
| Ripple& Noise | Current | 4mA(rms)/40mA(p-p) | |
| | Voltage | 6mV(rms) | |
| Remote Sensing | | 3Vdc between sense And load input | |
| INPUT AC | | 110/220V(S/W) ± 10% 50~60Hz/300mA POWER MAX :66W | |
| Remote Interface | | RS-232C & RS-485 (TCP/IP Option) | |
| Cooling | | Isolation DC FAN | |
| Dimensions (19-inch 2U Standard) | | 426mm(W) * 176mm(H) * 520mm(D) (1500~2400W) | |
| Weight | | 29kg(Net weight) / 30kg(Gross weight) | |