

SPECIFICATIONS

Programmable DC Power Supply

MODEL : OPE-2501S



ODA

TECHNOLOGIES
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| Parameter | | Specifications | |
|---|------------------------|---|---------|
| Output rating(@0℃ ~ 40℃) | | 0 to 250V / 0 to 1A | |
| Output WATT | | 250W | |
| Programming Accuracy (@25℃ ±5℃)±(%of output + offset) | Voltage | 0.2%+1666.7mV | |
| | Current | 0.2%+5.0mA | |
| Readback Accuracy (@25℃ ±5℃)±(%of output + offset) | Voltage | 0.2%+1666.7mV | |
| | Current | 0.2%+5.0mA | |
| Ripple and Noise(20Hz to 20MHz) | Voltage | ≤ 0.01% mV_{rms} | |
| | Current | ≤ 3 mA_{rms} | |
| Load Regulation (@25℃ ±5℃)±(%of output + offset) | Voltage | 0.01%+33.3mV | |
| | Current | 0.01%+0.1mA | |
| Line Regulation (@25℃ ±5℃)±(%of output + offset) | Voltage | 0.01%+33.3mV | |
| | Current | 0.01%+0.1mA | |
| Resolution | Programming/Readback | ≤62.5mV / ≤0.4mA | |
| | Display Meter | 1V(3-DIGIT) / 10mA(3-DIGIT) | |
| Temperature Coefficient ±(%of output + offset) After a 30-minute warm-up | Voltage | 0.02%+33.3mV | |
| | Current | 0.05%+0.4mA | |
| Stability ±(%of output + offset) After a 1 hour warm-up | Voltage | 0.1%+41.7mV | |
| | Current | 0.2%+0.5mA | |
| Transient Response Time | | Less than 50 μs for output to recover to within 50mV following a change in output current from full load to half load or vice versa | |
| Voltage Programming Speed (10% ~ 90%) | No load | Rising time | ≤ 120ms |
| | | Falling time | ≤3.6s |
| | Half load | Rising time | ≤ 120ms |
| | | Falling time | ≤ 15ms |
| Output Voltage Overshoot & Undershoot | Power Switch ON/OFF | No overshoot, undershoot : ≤0V ~ ≥ -0.3V | |
| | Voltage Output Setting | No overshoot, No undershoot | |
| Remote Interface | | RS232C Standard (RS485 Option) | |
| Programming Language | | SCPI(Standard Commands for Programmable Instruments) | |
| Command Processing Average Time (@19200bps) | Output Setting | Voltage & Current Setting | 10ms |
| | | Voltage & Current Query | 12ms |
| | Measurement | Voltage & Current Query | 15ms |
| | The Other | Setting & Query | 32ms |
| State Storage Memory | | Five user-configurable(voltage,current)stored states | |
| Operation Temperature Range | | 0℃ ~ 40℃ for full rated output. At higher temperatures the output current is derated linearly to 50% at 55℃ maximum temperature | |
| Cooling | | Isolation AC FAN | |
| Output Terminal Isolated (maximum, from chassis ground) | | ±30V output is ±60 Vdc when connecting shorting conductors without insulation to the (+)output to the (+)sense and the (-)output and the (-)sense terminals | |
| AC Input Ratings | Standard | 220V ± 10% 50~60Hz | |
| | | 100V ± 10% 50~60Hz | |
| | Option | 230V ± 10% 50~60Hz | |
| Calibration Interval | Recommended | 1 year | |
| Dimensions | | 300mm(W) * 150mm(H) * 465mm(D) | |
| Maximum Input Power(full load) | | 681.6W | |
| Weight | Net weight | 15kg | |
| | Gross weight | 16.5kg | |

※ 주문자 사양 모델은 spec변경이 이루어질 수 있습니다.