

SPECIFICATIONS

Programmable DC Power Supply

MODEL : OPM-10020D



ODA

TECHNOLOGIES
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| Parameter | | Specifications | |
|---|------------------------|---|---|
| Output rating(@0°C ~ 40°C) | Channel 1 | 0 to 100V / 0 to 20A | |
| | Channel 2 | 0 to 100V / 0 to 20A | |
| Output WATT | | 4000W | |
| Programming Accuracy (@25°C ±5°C)±(%of output + offset) | Voltage | 0.05%+33.3mV | |
| | Current | 0.2%+20.0mA | |
| Readback Accuracy (@25°C ±5°C)±(%of output + offset) | Voltage | 0.05%+16.7mV | |
| | Current | 0.2%+10.0mA | |
| Ripple and Noise(20Hz to 20MHz) | Voltage | ≤ 0.01% mV_{rms} | |
| | Current | ≤ 5 mA_{rms} | |
| Load Regulation | Voltage | 6.7mV | |
| | Current | 2.0mA | |
| Line Regulation | Voltage | 1.7mV | |
| | Current | 2.0mA | |
| Resolution | Programming/Readback | ≤0.83mV / ≤0.20mA | |
| | Display Meter | 10mV / 1mA | |
| Temperature Coefficient ±(%of output + offset) After a 30-minute warm-up | Voltage | 0.05%+10.0mV | |
| | Current | 0.2%+10.0mA | |
| Stability ±(%of output + offset) After a 1 hour warm-up | Voltage | 0.05%+3.3mV | |
| | Current | 0.2%+4.0mA | |
| Transient Response Time | | Less than 50 μs for output to recover to within 15mV following a change in output current from full load to half load or vice versa | |
| Voltage Programming Speed | No load | Rising time | ≤ 7.5V/ms |
| | | Falling time | ≤ 3V/ms |
| | Half load | Rising time | ≤ 3.25V/ms |
| | | Falling time | ≤ 6V/ms |
| OVP and OCP Accuracy ±(%of output + offset) | OVP | 5% + 0.5V | |
| | OCP | 5% + 0.5A | |
| | Activation Time | < 80ms when maximum output rating | |
| Tracking Accuracy | | 0.1% + 10mV | |
| Output Voltage Overshoot & Undershoot | Power Switch ON/OFF | No overshoot, undershoot : ≤ -0.8V | |
| | Voltage Output Setting | No overshoot, No undershoot | |
| Remote Interface | | GPIO(IEEE-488.2) Option , RS232C Standard | |
| Programming Language | | SCPI(Standard Commands for Programmable Instruments) | |
| Command Processing Time(average) | Apply | Setting | 28ms |
| | | Query | 32ms |
| | Output Setting | Voltage & Current Setting | 28ms |
| | | Voltage & Current Query | 32ms |
| | Measurement | Voltage & Current Query | Present mode : 47ms Buffer mode : 32ms |
| The Other | Setting & Query | < 35ms | |
| State Storage Memory | | Ten user-configurable(voltage,current,OVP & OCP level)stored states | |
| Remote Sensing Capability | Voltage Drop | Up to 1V per each lead | |
| | Load Regulation | Add 5 mV to spec for each 1-volt change in the + output lead due to load current changes. | |
| | Load Voltage | Subtract voltage drop in load leads from specified output voltage atting. | |
| Operation Temperature | | 0°C ~ 40°C for full rated output. At higher temperatures the output current is derated linearly to 50% at 55°C 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 | |
| | | 110V ± 10% 50~60Hz | |
| | Option | 115V ± 10% 50~60Hz | |
| | | 230V ± 10% 50~60Hz | |
| Calibration Interval | Precision | 6 month | |
| | Recommended | 1 year | |
| Dimensions (19-inch * 14U Standard Rack Case) | | 600mm(W) * 800mm(H) * 750mm(D) | |
| Maximum Input Power(full load) | | 10345.6W | |
| Weight | Net weight | 100kg | |
| | Gross weight | 101.5kg | |

*주문자 사양 모델은 spec변경이 이루어질 수 있습니다.