# SPECIFICATIONS

## Programmable DC Power Supply

MODEL : EX30 - 160

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| Parameter | | | Specifications | |
|---|---|---|---|---|
| Output rating(@0℃ ~ 40℃) | Voltage | | 0 to 30.0 | Maximum 31.5 |
| | Current | | 0 to 160.0 | Maximum 168.0 |
| Output WATT | | | 5.3 KW | |
| Programming Accuracy | Voltage | | 0.1% + 45.0mV | |
| (@25℃ ±5℃)±(%of output + offset) | Current | | 0.1% + 480.0mA | |
| Readback Accuracy | Voltage | | 0.1% + 30.0mV | |
| (@25℃ ±5℃)±(%of output + offset) | Current | | 0.1% + 320.0mA | |
| Ripple and Noise(20Hz to 20MHz) | | | ≤ 15mVrms | |
| Load Regulation (with V-Sensing) | | | ≤ 30 mV | |
| Line Regulation (with V-Sensing) | | | ≤ 30 mV | |
| Resolution | Programming/Readback | | ≤ 0.6mV / ≤ 2.6mA | |
| | Display Meter | | 10mV / 100mA | |
| Temperature Coefficient | Voltage | | ≤ 6.0mV | |
| After a 30-minute warm-up | Current | | ≤ 48.0mA | |
| Stability ±(%of output + offset) | Voltage | | ≤ 15.0mV | |
| After a 1 hour warm-up | Current | | ≤ 80.0mA | |
| Voltage Programming Speed (10%~90% of output voltage) | Half load | Rising time | ≤ 300ms | |
| | | Falling time | ≤ 300ms | |
| Remote Sensing Capability | Voltage Drop | | Up to 2.5V 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 ratiing. | |
| OVP and OCP Accuracy ±(%of output + offset) | OVP | | 1% + 0.3V | |
| | OCP | | 1% + 16.0A | |
| | Activation Time | | < 80ms when maximum output rating | |
| Output Voltage Overshoot & Undershoot | Power Switch ON/OFF | | No overshoot, undershoot : ≤ -0.8V | |
| | Voltage Output Setting | | No overshoot, No undershoot | |
| Remote Interface | | | RS232C , RS485 , USB Standard (TCP/IP Option) | |
| Programming Language | | | SCPI(Standard Commands for Programmable Instruments) | |
| Command Processing Time(average) | Apply | | Setting | 20ms |
| | | | Query | 32ms |
| | Output Setting | | Voltage & Current Setting | 15ms |
| | | | Voltage & Current Query | 32ms |
| | Measurement | | Voltage & Current Query | 32ms |
| | The Other | | Setting & Query | < 35ms |
| State Storage Memory | | | Ten user-configurable(voltage,current,protection level)stored states | |
| Operation Temperature | | | 0℃ ~ 40℃ for full rated output. At higher temperatures the output current is derated linearly to 50% at 55℃ maximum temperature | |
| Cooling | | | Isolation DC FAN | |
| Output Terminal Isolated (maximum, from chassis ground) | | | ±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 | | 단상 220V ± 10% 50~60Hz | |
| | Option | | 3상 380V ± 10% 50~60Hz | |
| | | | 단상 100V ± 10% 50~60Hz | |
| | | | 단상 230V ± 10% 50~60Hz | |
| Calibration Interval | Precision | | 6 month | |
| | Recommended | | 1 year | |
| Dimensions (19'' Standard) | | | 426(W) * 88(H) * 550(D) | |
| Maximum Input Power(full load) | | | 6.2 KW | |
| Weight | Net weight | | 14.6㎏ | |
| | Gross weight | | 16.1㎏ | |

*상기모델은 사용자 Application에 최적화하기위해 예고없이 사양변경될 수 있으므로 구입전 확인하시기 바랍니다.