# N39200 Series High-accuracy Dual-channel Programmable DC Power Supply


## Product Introduction

N39200 series is a high-accuracy & dual-channel programmable DC power supply, available for benchtop use. N39200 standalone supports 2 channels output, with each channel isolated. Both local operation on front panel and remote control on a computer are supported. N39200 can be widely used in lab test, system integration test, production aging line, etc.

## Main Features

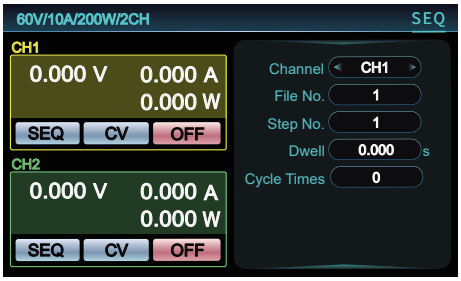
- Voltage range: 60V/150V
- Current range: 4A/8A/10A/20A
- Power range: 200W/400W/600W
- CC&CV priority function
- Multiple protections: OVP, OCP, OTP and short circuit
- High definition touch screen
- User-friendly interface
- LAN port and RS232 interface
- Dual LAN ports design
- Single device with 2 channels, each channel isolated

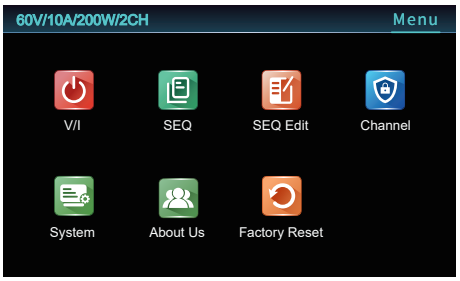
## Dual channels, compact size and light weight

N39200 series adopts 2U and half 19 inch design, with 2 channels in a single device. Each channel is isolated. One device can support 2-station test simultaneously, which simplifies the test platform and improves test efficiency.

## UI flat icons

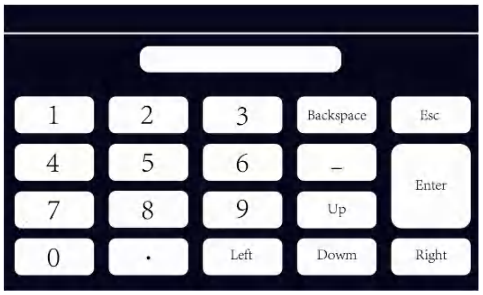
UI flat icons offer convenient and quick operation.



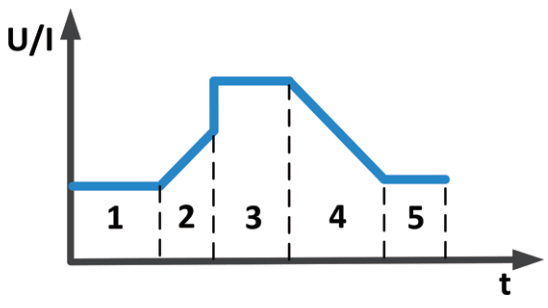

## Virtual keypad

N39200 is designed with a virtual keypad for parameters input.



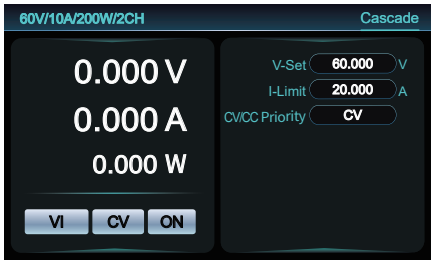

## SEQ mode

SEQ mode allows setting of output voltage, output current and dwell time for single step.



## Cascade mode for power expansion

N39200 supports two channels parallel mode internally. Under parallel mode, the output voltage remains the same. The output current and power will be doubled.

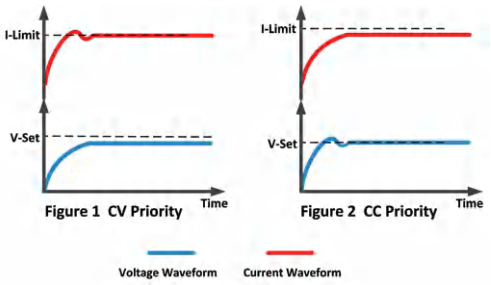




## CC&CV priority function

N39200 has the function of selecting priority of voltage-control loop or current-control loop, which enables N39200 to adopt the optimal test mode for different DUTs, and thus protect the DUT.

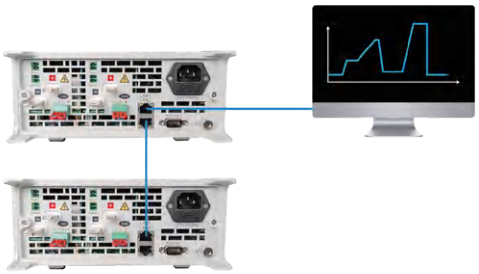
As shown in figure one, when the DUT requires reducing voltage overshoot during test, such as supplying power to a low-voltage processor or FPGA core, voltage priority mode should be selected to obtain fast and smooth rise voltage.

As shown in figure two, when the DUT requires reducing current overshoot during test, or when the DUT is with low impedance, such as battery charging scenario, current priority mode should be selected to obtain fast and smooth rise current.

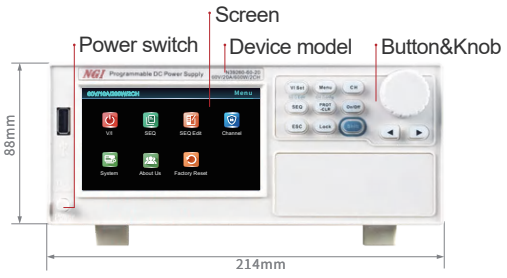


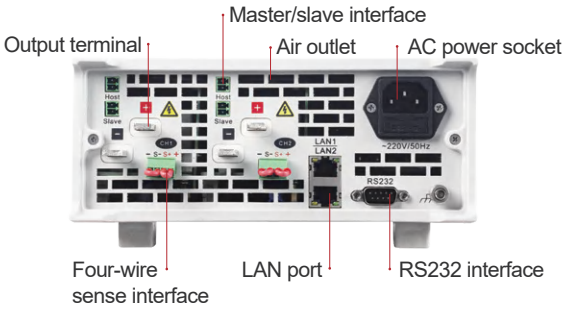

## Dual LAN ports for multiple devices control

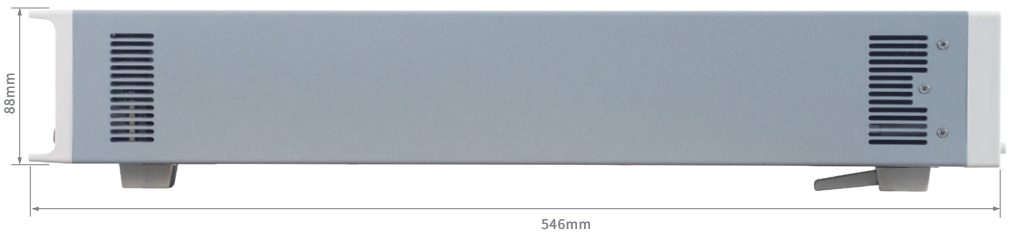
N39200 is equipped with two LAN ports, which can support multiple devices control for quick adjustment and test.



## Product Dimension



## Technical Data Sheet

| Model | N39220-60-10 | N39240-60-20 | N39260-60-20 | N39220-150-04 | N39240-150-08 | N39260-150-08 |
|---|---|---|---|---|---|---|
| Voltage | 60V/CH | | | 150V/CH | | |
| Current | 10A/CH | 20A/CH | 20A/CH | 4A/CH | 8A/CH | 8A/CH |
| Power | 200W/CH | 400W/CH | 600W/CH | 200W/CH | 400W/CH | 600W/CH |
| Channels | 2CH | | | | | |
| CV Mode | | | | | | |
| Range | 0~60V | | | 0~150V | | |
| Setting Resolution | 1mV | | | 10mV | | |
| Setting Accuracy ( 23±5℃ ) | 0.05%+0.1%F.S. | | | | | |
| Setting Temperature Coefficient ( 0-40℃ ) | 50ppm /℃ | | | | | |
| Readback Resolution | 1mV | | | 10mV | | |
| Readback Accuracy ( 23±5℃ ) | 0.05%+0.1%F.S. | | | | | |
| Readback Temperature Coefficient ( 0-40℃ ) | 50ppm /℃ | | | | | |
| CC Mode | | | | | | |
| Range | 0~10A | 0~20A | 0~20A | 0~4A | 0~8A | 0~8A |
| Setting Resolution | 1mA | | | | | |
| Setting Accuracy( 23±5℃ ) | 0.1%+0.1%F.S. | | | | | |
| Readback Resolution | 1mA | | | | | |
| Readback Accuracy( 23±5℃ ) | 0.1%+0.1%F.S. | | | | | |
| Temperature Coefficient ( 0-40℃ ) | 50ppm/℃ | | | | | |
| Output Noise & Ripple(20Hz-20MHz) | | | | | | |
| Voltage Ripple | 250mVp-p | | | 300mVp-p | | |
| | 20mVrms | | | 25mVrms | | |
| Line Regulation | ≤0.015%(Voltage) | | | | | |
| Load Regulation | ≤0.03%(Voltage) | | | | | |
| Voltage Rise Time (no load) | ≤50ms | | | | | |
| Voltage Fall Time (no load) | ≤50ms | | | | | |
| Others | | | | | | |
| Interface | LAN/RS232 | | | | | |
| AC Input | Single phase, 220V AC±10%, frequency 47Hz~63Hz | | | | | |
| Temperature | Operating temperature: 0℃~40℃, storage temperature: -20℃~60℃ | | | | | |
| Operating Environment | Altitude <2000m, relative humidity: 5%~90%RH(non-condensing), atmospheric pressure: 80~110kPa | | | | | |
| Net Weight | Approx. 7kg | | | | | |
| Dimension | 2U, 88.0(H)*214.0(W)*546.0(D)mm | | | | | |

Note 1: For other specifications, please contact NGI.
Note 2: All specifications are subject to change without notice.