

N362 Wide Range Programmable DC Power Supply

Rackmount wide-range programmable DC power supply with high power density up to 10 kW

At a Glance

N362 is a rackmount programmable DC power supply for DUT validation, production test, and integrated ATE systems.

The series integrates up to 5 kW in a 1U 19-inch chassis and up to 10 kW in a 2U 19-inch chassis.

Fast dynamic response, low ripple, car waveform simulation, CC/CV priority, and multiple communication interfaces support broad test coverage.



N362 Wide Range Programmable DC Power Supply

Product Overview

N362 provides wide-range programmable DC output in compact rackmount formats for desktop use and automated-system integration.

The source lists voltage families from low-voltage high-current models through 1500 V options for applications across electronics, automotive, aerospace, and energy systems.



Key Features

- **Compact Rackmount Format**

High power density integrates up to 10 kW in 2U and 19-inch width chassis.

- **Wide Output Range**

Voltage/current combinations cover low-voltage high-current and high-voltage low-current applications.

- **Low Ripple Noise**

Optimized power design reduces output ripple and noise for improved output quality.

- **Automotive Waveforms**

Car startup, voltage drop, load dump, and reset waveform simulation support ISO16750-2 and LV124 style tests.

- **CC/CV Priority**

Voltage-loop or current-loop priority can be selected according to DUT characteristics.

- **System Control**

LAN, RS232, RS485, CAN, Modbus-RTU, SCPI, and CANopen control are supported.

Application Fields

R&D And Production

Electronic equipment validation, production testing, and ATE systems.

Automotive Electronics

Car waveform immunity tests, wire harnesses, connectors, and DC/DC supplies.

Industrial And Robotics

Robotics, semiconductor power devices, superconductivity, and hydrogen-energy systems.

Aerospace And Defense

Rack-integrated programmable DC output for aerospace and defense electronics.



Operating Capabilities

High Density Design: System heat dissipation and device selection allow compact 1U and 2U rack formats while maintaining wide-range output capability.

CC/CV Priority And Waveforms: Selectable loop priority helps reduce voltage or current overshoot, while built-in car waveform simulation supports automotive transient tests.

Selection Summary

Voltage class	Representative models	Power range	Size
20 V	N36225-20-275 to N362100-20-1100	2500 W to 10000 W	1U / 2U
40 V	N36205-40-50 to N362100-40-550	500 W to 10000 W	1U / 2U
80 V	N36205-80-25 to N36250-80-160	500 W to 5000 W	1U
360 V	N36216-360-20, N36225-360-20	1600 W to 2500 W	1U
750 V	N36216-750-04, N36225-750-04	1600 W to 2500 W	1U
1500 V	N36210-1500-01 to N36232-1500-04	1000 W to 3200 W	1U

Core Specifications

Core Ratings And Functions	
Output power	500 W to 10000 W by model
Voltage families	20 V, 40 V, 80 V, 360 V, 750 V, 1500 V
Voltage accuracy	0.03% + 0.02% F.S.
Current accuracy	0.1% + 0.1% F.S.
Display	Large LCD screen
Interfaces	LAN, RS232, RS485, CAN; optional analog programming on supported models
Protocols	Modbus-RTU, SCPI, CANopen

XGY Pty Ltd

Sydney Engineering Centre

Email: info@xgytek.com | Web: www.xgytek.com

Specifications subject to change without notice. Per AS/NZS standards.