

ROHDE & SCHWARZ

Make ideas real



R&S®NGT3600 DC POWER SUPPLY SERIES

Power up your testing



Ideal for:

R&D

Manufacturing

Aerospace and defense

Renewable energy

The R&S®NGT3600 series delivers one or two fully independent 1800 W outputs in a compact instrument. The instruments are perfect for demanding test environments that demand power, flexibility and precision.

Advanced autoranging architecture and smart features such as arbitrary, ramp and remote sensing with up to 80 V or 50 A per output can handle everything from high-current motor drives to avionics systems.

A 4.3" touchscreen, built-in data logging and intuitive operation accelerate workflows and reduce setup errors. Whether in R&D labs or automated test systems, the R&S®NGT3600 gives you the control and confidence to push your designs further.

Your benefit

Power two DUTs with one instrument simultaneously

Maximum power at various operating points

Flexibility for higher power demands

Features

- ▶ Up to two independent, floating outputs
- ▶ Both outputs galvanically isolated
- ▶ Space, cost and time efficient

- ▶ Autoranging and channel fusion
- ▶ Up to 100 A when connected in parallel
- ▶ Up to 160 V when connected in series

- ▶ Multi-device mode
- ▶ Connect six channels in series or parallel for up to 480 V or 300 A

Key specifications

Number of channels	R&S®NGT3621	1
	R&S®NGT3622	2
Total output power	R&S®NGT3621	max. 1800 W
	R&S®NGT3622	max. 3600 W
Maximum voltage per channel		80 V
Maximum current per channel		50 A
Voltage ripple and noise	20 Hz to 20 MHz at 30 V/25 A	< 5 mV (RMS) (meas.)
Output power per channel		1800 W
Programming/readback resolution	voltage	1 mV/1 mV
	current	1 mA/100 µA



For options, prices and more information, visit

<https://www.rohde-schwarz.com/product/NGT3600>

Channel fusion and multi-device mode

The outputs of the R&S®NGT3622 can be connected in series or parallel for up to 160 V or 100 A for applications requiring higher voltage or current levels.

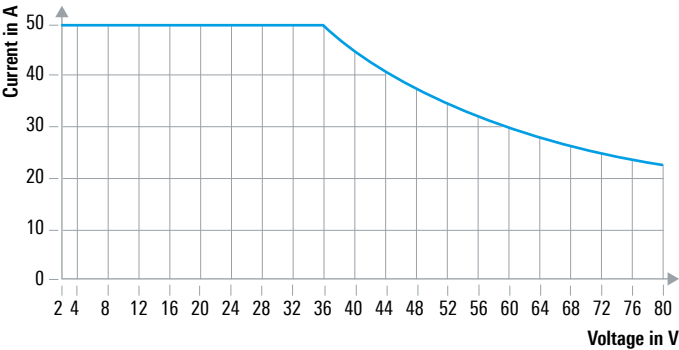
In multi-device mode, you can connect six outputs across multiple instruments, for up to 480 V and up to 300 A.

When operating in parallel mode, the share bus ensures equal current distribution across all combined outputs.



Autoranging: Maximum power 1800 W (source mode)

Autoranging lets you get the most out of each channel by delivering up to 1800 W across a wide range of voltage and current combinations. Unlike traditional single-range supplies, Autoranging adapts to your load requirements, providing high current at low voltage levels or high voltage at low current levels, always maximizing available power.

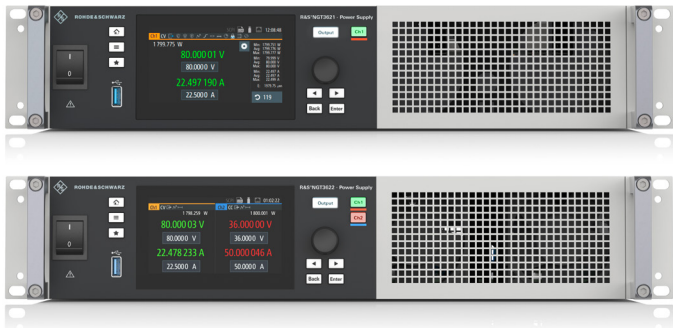


Large high resolution touchscreen

The home screen gives a clear overview of all channels. Each channel can be selected for a more detailed view containing a wide variety of additional information such as statistics and icons indicating the status of set protection levels and special functions.



Designation	Type
Base unit	
One-channel power supply, 1800 W, 80 V/50 A	R&S®NGT3621
Two-channel power supply, 3600 W, 80 V/50 A	R&S®NGT3622
Accessories supplied	
Terminal blocks, quick start guide, safety instructions	



Directly rackmountable

MORE FUNCTIONS

Ramp

Output delay

Arbitrary

Built-in measurements

Data logging

Remote sensing

Save/recall device settings

Digital I/O trigger