

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.



For options, prices and more information, visit
<https://www.rohde-schwarz.com/product/NGT3600>

| Your benefit | Features |
|---|--|
| Power two DUTs with one instrument simultaneously | <ul style="list-style-type: none"> ▶ Up to two independent, floating outputs ▶ Both outputs galvanically isolated ▶ Space, cost and time efficient |
| Maximum power at various operating points | <ul style="list-style-type: none"> ▶ Autoranging and channel fusion ▶ Up to 100 A when connected in parallel ▶ Up to 160 V when connected in series |
| Flexibility for higher power demands | <ul style="list-style-type: none"> ▶ Multi-device mode ▶ Connect six channels in series or parallel for up to 480 V or 300 A |

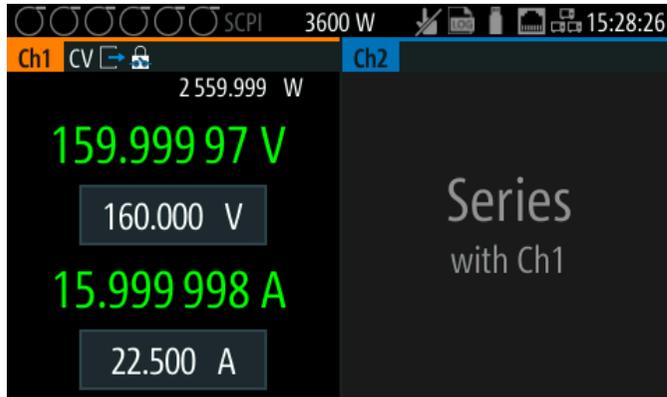
| Key specifications | | |
|--|------------------------------|----------------------|
| Number of channels | R&S®NGT3621 | 1 |
| | R&S®NGT3622 | 2 |
| Total output power | R&S®NGT3621 | max. 1800 W |
| | R&S®NGT3622 | max. 3600 W |
| Maximum voltage per channel | | 80 V |
| Maximum current per channel | | 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 |

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.

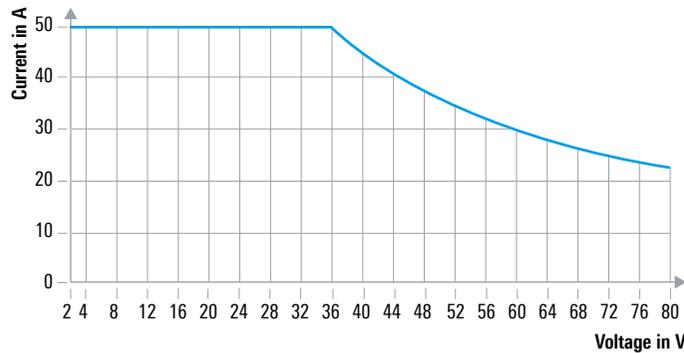
In multi-device mode, you can connect six outputs across multiple instruments, for up to 480 V and up to 300 A.

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.

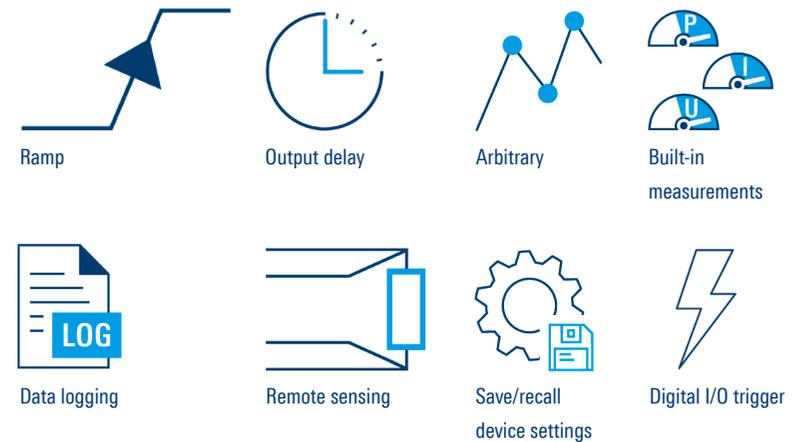


| Designation | Type |
|---|-------------|
| Base unit | |
| One-channel power supply, 1800 W, 80 V/50 A | R&S®NGT3621 |
| Two-channel power supply, 3600 W, 80 V/50 A | R&S®NGT3622 |
| Accessories supplied | |
| Terminal blocks, quick start guide, safety instructions | |



Directly rackmountable

MORE FUNCTIONS



www.rohde-schwarz.com | www.rohde-schwarz.com/support | www.training.rohde-schwarz.com
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 R&S®NGT3600 DC Power Supply Series
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