


ROHDE & SCHWARZ

Make ideas real

R&S®NGP800 POWER SUPPLY SERIES

Boost your efficiency with quad-core power



The perfect choice for

R & D

Manufacturing

Automotive

General purpose

| Your benefit | Features |
|---|---|
| Power four DUTs simultaneously | <ul style="list-style-type: none"> ▶ Up to four independent, floating outputs ▶ All outputs galvanically isolated ▶ Space, cost and time efficient |
| Maximum power at various operating points | <ul style="list-style-type: none"> ▶ FlexPower ▶ Up to 80 A when connected in parallel ▶ Up to 250 V when connected in series |
| All you need at a glance | <ul style="list-style-type: none"> ▶ Large high resolution touchscreen ▶ Built-in measurements ▶ Detailed statistics |

Boost your efficiency with quad-core power

The five models with 400 W or 800 W provide maximum power at a variety of operating points. The two or four 200 W outputs can each supply up to 64 V or up to 20 A. Electrically equivalent outputs can be wired in series or parallel for up to 250 V or 80 A.

All R&S®NGP800 power supplies include remote sense terminals, a USB port and a LAN interface. A user-installable GPIB interface, a digital trigger I/O, an analog input and a wireless LAN interface are optional, making these instruments great on the bench or in an automated test system.

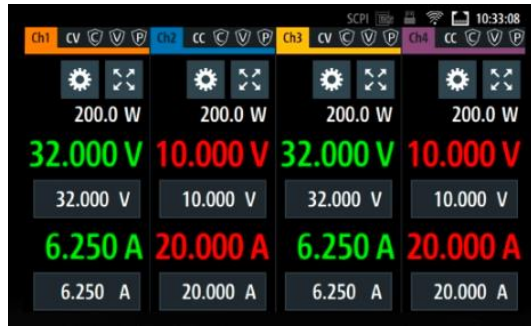
| Key specifications | | |
|--|---|-------------|
| Number of channels | R&S®NGP802, R&S®NGP822 | 2 |
| | R&S®NGP804, R&S®NGP824, R&S®NGP814 | 4 |
| Total output power | R&S®NGP802, R&S®NGP822 | max. 400 W |
| | R&S®NGP804, R&S®NGP824, R&S®NGP814 | max. 800 W |
| Programming/readback resolution (voltage) | All models | 1 mV |
| Programming/readback resolution (current) | All models | 0.5 mA |
| Voltage per channel | R&S®NGP802, R&S®NGP804, R&S®NGP814 (CH1, CH2) | 0 V to 32 V |
| | R&S®NGP822, R&S®NGP824, R&S®NGP814 (CH3, CH4) | 0 V to 64 V |
| Current per channel | R&S®NGP802, R&S®NGP804, R&S®NGP814 (CH1, CH2) | 20 A |
| | R&S®NGP822, R&S®NGP824, R&S®NGP814 (CH3, CH4) | 10 A |
| Output power per channel | All models | 200 W |



For price and more information:

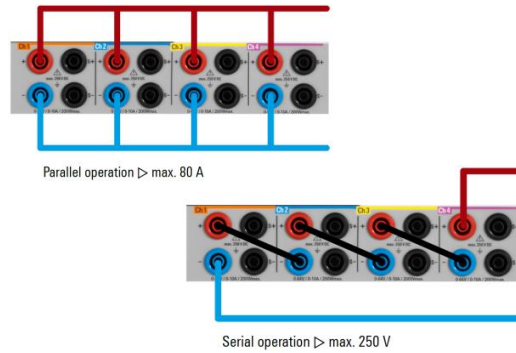
www.rohde-schwarz.com/catalog/NGP800

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.

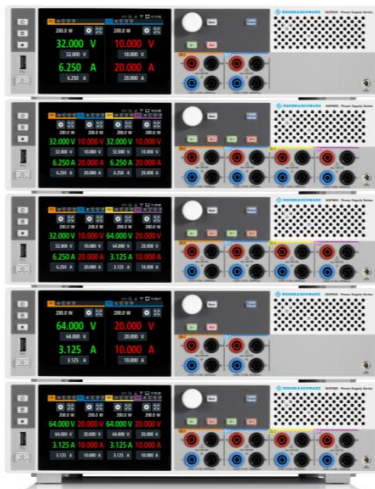
Parallel and serial operation



For applications requiring more voltage or current, the outputs can be connected in series or parallel to attain up to 250 V (R&S®NGP824) or 80 A (R&S®NGP804). When using the tracking function, the voltage and current are simultaneously adjusted on all selected channels.

Ordering information

| Base unit | Item |
|--|--------------|
| Two-channel power supply, 400 W, 2 x 32 V / 20 A | R&S®NGP802 |
| Four-channel power supply, 800 W, 4 x 32 V / 20 A | R&S®NGP804 |
| Four-channel power supply, 800 W, 2 x 32 V / 20 A, 2 x 64 V / 10 A | R&S®NGP814 |
| Two-channel power supply, 400 W, 2 x 64 V / 10 A | R&S®NGP822 |
| Four-channel power supply, 800 W, 4 x 64 V / 10 A | R&S®NGP824 |
| Hardware options | |
| IEEE-488 (GPIB) interface | R&S®NG-B105 |
| Software options | |
| Wireless LAN remote control | R&S®NGP-K102 |
| Digital trigger I/O | R&S®NGP-K103 |
| Analog input | R&S®NGP-K107 |
| System components | |
| 19" rack adapter, 2 HU | R&S®ZZA-GE23 |



- R&S®NGP802**
2-ch power supply, 400 W
2 x 32 V / 20 A
- R&S®NGP804**
4-ch power supply, 800 W
4 x 32 V / 20 A
- R&S®NGP814**
4-ch power supply, 800 W
2 x 32 V / 20 A
2 x 64 V / 10 A
- R&S®NGP822**
2-ch power supply, 400 W
2 x 64 V / 10 A
- R&S®NGP824**
4-ch power supply, 800 W
4 x 64 V / 10 A

More functions

The 'More functions' section contains ten icons representing different features:

- EasyRamp**: A graph showing a ramping voltage profile.
- Output delay**: A clock icon representing a time delay.
- QuickArb**: A graph showing a complex arbitrary waveform.
- Remote sensing**: A diagram showing a load connected to the power supply with sensing wires.
- Built-in measurements**: Two circular icons representing measurement functions.
- Data logging**: A document icon with a 'LOG' label.
- Save/recall device settings**: A gear icon with a document icon.
- User adjustment**: A horizontal slider icon.
- Digital trigger I/O**: A lightning bolt icon.
- Analog input**: A circular arrow icon.

ALLICE

Messtechnik GmbH

make ALLICE your partner

ALLICE Messtechnik GmbH

Kelsterbacher Strasse 15-19 60528 Frankfurt am Main

Tel.: +49(0)69-67724-583 Fax: +49(0)69-67724-582

info@allice.de

www.allice.de

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