# Product Datasheet - Technical Specifications

More information in our Web-Shop at ▶ **www.meilhaus.com**

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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	▶ Up to four independent, floating outputs ▶ All outputs galvanically isolated ▶ Space, cost and time efficient
Maximum power at various operating points	▶ FlexPower ▶ Up to 80 A when connected in parallel ▶ Up to 250 V when connected in series
All you need at a glance	▶ 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

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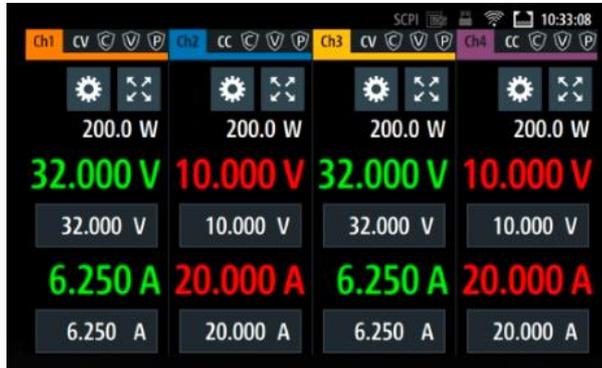
The home screen gives a clear overview of all channels. Each channel can be selected for a more detailed view containing a wide variety of additional information such as statistics and icons indicating the status of set protection levels and special functions.

Parallel and serial operation

Parallel operation ▷ max. 80 A

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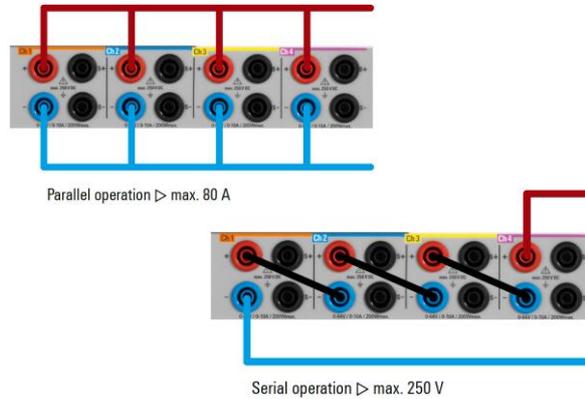
For applications requiring more voltage or current, the outputs can be connected in series or parallel to attain up to 250 V (R&S®NGP824) or 80 A (R&S®NGP804). When using the tracking function, the voltage and current are simultaneously adjusted on all selected channels.

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
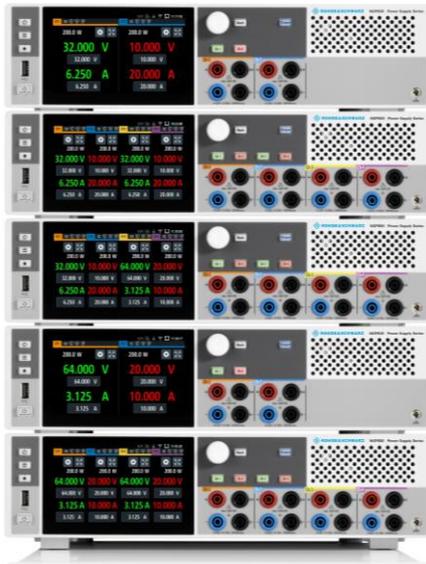
R&S®NGP802
2-ch power supply, 400 W
2 × 32 V / 20 A

R&S®NGP804
4-ch power supply, 800 W
4 × 32 V / 20 A

R&S®NGP814
4-ch power supply, 800 W
2 × 32 V / 20 A
2 × 64 V / 10 A

R&S®NGP822
2-ch power supply, 400 W
2 × 64 V / 10 A

R&S®NGP824
4-ch power supply, 800 W
4 × 64 V / 10 A

More functions

EasyRamp

Output delay

QuickArb

Remote sensing

Built-in measurements

Data logging

Save/recall device settings

User adjustment

Digital trigger I/O

Analog input