



# R&S®NGP800 POWER SUPPLY SERIES

## Boost your efficiency with quad-core power

The perfect choice for



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

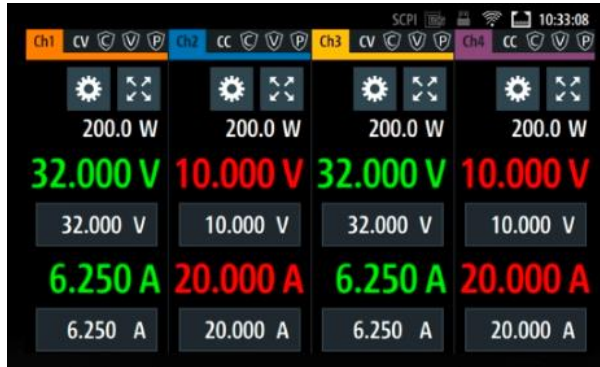
### Boost your efficiency with quad-core power

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.

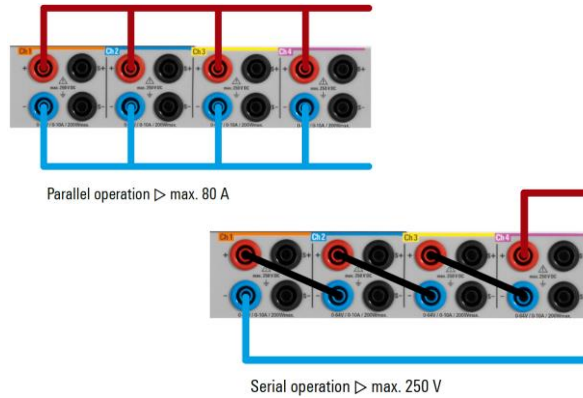
Key specifications		
<b>Number of channels</b>	R&S®NGP802, R&S®NGP822	2
	R&S®NGP804, R&S®NGP824, R&S®NGP814	4
<b>Total output power</b>	R&S®NGP802, R&S®NGP822	max. 400 W
	R&S®NGP804, R&S®NGP824, R&S®NGP814	max. 800 W
<b>Programming/readback resolution (Voltage)</b>	All models	1 mV
<b>Programming/readback resolution (Current)</b>	All models	0.5 mA
<b>Voltage per channel</b>	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
<b>Current per channel</b>	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
<b>Output power per channel</b>	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.

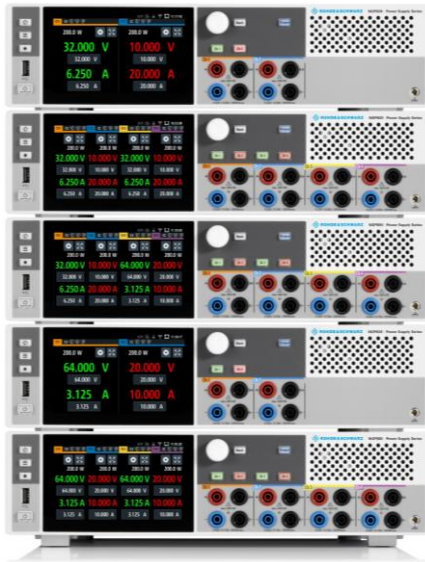
## Parallel and serial operation



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



EasyRamp



Data logging



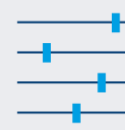
Output delay



Save/recall device settings



QuickArb



User adjustment



Remote sensing



Digital trigger I/O



Built-in measurements



Analog input

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