

ROHDE &amp; SCHWARZ

Make ideas real

# R&S®NGP800 POWER SUPPLY SERIES

## versus Keysight E36200 series



### Boost your efficiency with quad-core power

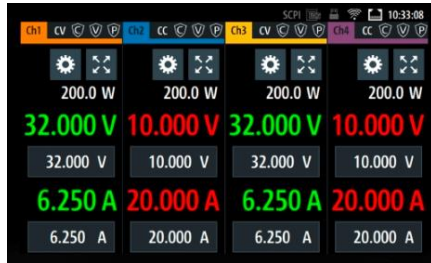
The five models with 400 W or 800 W provide maximum power at a variety of operating points. The two or four 200 W outputs can each supply up to 64 V or up to 20 A. Electrically equivalent outputs can be wired in series or parallel for up to 250 V or 80 A.

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.

Your benefit	Features
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 series</li> <li>▶ Up to 250 V when connected in parallel</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>

	R&S®NGP802 R&S®NGP804	Keysight E36231A Keysight E36233A	R&S®NGP822 R&S®NGP824	Keysight E36232A Keysight E36234A
Max. output power	400 W / 800 W	200 W / 400 W	400 W / 800 W	200 W / 400 W
Number of outputs	2 / 4	1 / 2	2 / 4	1 / 2
Max. voltage per output	32 V	30 V	64 V	60 V
Max. current per output	20 A	20 A	10 A	10 A
Max. power per output	200 W	200 W	200 W	200 W
Programming resolution	1 mV / 0.5 mA	1 mV / 1 mA	1 mV / 0.5 mA	1 mV / 1 mA
Readback resolution	1 mV / 0.5 mA	1 mV / 1 mA	1 mV / 0.5 mA	1 mV / 1 mA
Load regulation	< 0.01% + 5 mV < 0.01% + 5 mA	< 0.01% + 2 mV < 0.01% + 250 µA	< 0.01% + 10 mV < 0.01% + 5 mA	< 0.01% + 2 mV < 0.01% + 250 µA
Acquisition rate	125 sample/s	5 sample/s	125 sample/s	5 sample/s
Display	5", 800 x 480 pixel touchscreen	4.3", LCD color display	5", 800 x 480 pixel touchscreen	4.3", LCD color display
Weight	7.5 kg / 8.0 kg	5.8 kg / 7.0 kg	7.5 kg / 8.0 kg	5.8 kg / 6.9 kg
Dimensions in mm (W x H x D)	362 x 100 x 451	212.8 x 132.5 x 385.0 212.8 x 132.5 x 400.5	362 x 100 x 451	212.8 x 132.5 x 385.0

Large high resolution touchscreen vs. ordinary LCD display



The R&S®NGP800 power supplies' 5" high resolution touchscreen makes operation easy. Quickly navigate through the menus to access all functions and settings. Enter values much faster using the virtual keyboard instead of turning a knob.

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.

The Keysight E36200 power supplies have a 4.3" LCD color display. Knobs and channel selection buttons have to be used to set the voltage and current.



More efficiency for your lab: four vs. two independent output channels



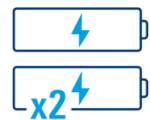
Save cost, time and space on your bench or in your rack by powering up to four DUTs with a single instrument. Each 200 W output is completely independent and floating.

With 800 W total output power, the R&S®NGP800 series has twice the power of the E36200 series. Remote sensing terminals on the front and back ensure quick and easy access.

With a maximum of 400 W total output power and two outputs, the R&S®NGP800 series has a much higher power density than the E36200 series, making them more space efficient.



Advantage factors of R&S®NGP800 series versus Keysight E36200 series



2 times more power



2 times more outputs



25 times faster data logger



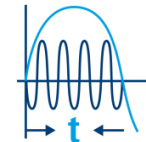
Analog input interface



Touchscreen



1.5 times more space efficient



10 times faster Arb function



WiFi interface