



R&S®NGC100 POWER SUPPLIES

Compact and easy to use

The perfect choice for

Engineering labs

Production testing

Education

Maintenance and repairs



Your benefit	Features
All measured parameters clearly displayed	The brilliant color display shows voltage, current and power values in real time.
Flexible channel configurations for up to 96 V	All channels are galvanically isolated and can be combined to drive balanced circuitries or for higher voltages/currents.
Safe working environment	<ul style="list-style-type: none"> ▶ FuseLink allows you to freely combine the electronic fuses in each channel ▶ A fuse delay can be set to prevent the power supply from switching off prematurely due to a short current spike ▶ Fan speed is automatically adjusted to the load condition, allowing you to work in a quiet environment
Emulate real-world scenarios	Arbitrary waveforms can be generated for voltage and current. This function can be configured and executed via the control panel or an external interface.
Control inrush currents	Increase the output voltage continuously within a timeframe of 10 ms to 10 s with the EasyRamp function.

Key specifications	R&S®NGC101	R&S®NGC102	R&S®NGC103
Number of channels	1	2	3
Output voltage per channel	0 V to 32 V		
Maximum output power	100 W		
Maximum output power per channel	100 W	50 W	33 W
Maximum output current per channel	10 A	5 A	3 A
Voltage ripple and noise (20 Hz to 20 MHz)	< 450 μ V (RMS), < 4 mV (peak to peak) (meas.)		
Programming resolution	1 mV/1 mA		
Readback resolution	1 mV/0.1 mA		
Protective functions	OVP, OPP, OCP (electronic fuse), OTP		

Key features

One, two or three channels – the R&S®NGC100 power supplies' specifications and wide range of features make them ideal for use in development labs and industrial environments. Even at maximum load, the power supplies remain cool and quiet thanks to their high energy efficiency. Practical interfaces and connectors allow users to work quickly and conveniently with the R&S®NGC100 series – even in 19" racks.



For prices and more information, visit www.rohde-schwarz.com/product/NGC100

Ideal for industrial environments



Power supply units in industrial production are often found in 19" racks. All R&S®NGC100 models can be integrated into 19" racks with the R&S®HZC95 rackmount adapters.

Data logging

Logging data is key to long-term monitoring, reviewing test setups and repeating test conditions when analyzing power behavior and optimizing power consumption. The R&S®NGC100 power supplies simultaneously log voltage and current measurements over time on all outputs with a maximum acquisition time of 1000 sample/s. Easily export the time-stamped data as a CSV file for analysis, reports and documentation.

Arbitrary functions

Emulate the normal behavior of your power subsystems early on in the design process and simulate power problems for DUT design verification.

The EasyArb function lets you generate complex time-varying voltage and current sequences of output changes with dwell times down to 10 ms.

WAGO cage clamp



To facilitate typical calibration setups, the rear panel connector was designed with a WAGO cage clamp.

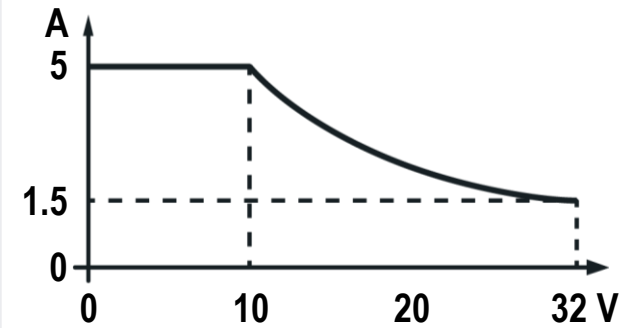
External trigger events

An external trigger signal (TTL) to the voltage interface on the back panel of the instrument can start an arbitrary function, activate and deactivate output delays and activate data logging.

Remote sensing

Improve your voltage regulation and measurement accuracy using remote sensing, i.e. regulating the output voltage directly at the DUT input terminals instead of the power supply's output terminals. The sense function compensates for voltage drops in the supply leads – especially in applications with high currents. R&S®NGC100 power supplies provide sense connections for each output.

FlexPower



Get maximum power at various operating points.

Ordering information	
Description	Item
Single-channel power supply	R&S®NGC101
Single-channel power supply with GPIB	R&S®NGC101-G
Dual-channel power supply	R&S®NGC102
Dual-channel power supply with GPIB	R&S®NGC102-G
Three-channel power supply	R&S®NGC103
Three-channel power supply with GPIB	R&S®NGC103-G
19" rackmount kit, 2 HU	R&S®HZC95