

In brief

Two-quadrant power supply unit with convenient touchscreen

The new R&S®NGL 200 power supplies are specialists for challenging applications in development labs and production test systems.

Modern electronic circuits, such as those in mobile and IoT devices, are sensitive and demanding when it comes to the power supply. A power supply used in their development must allow current changes from a few microamperes in standby mode to the ampere range during transmit mode – within microseconds and without overshoots. The precision, stability and smoothness of the set current and voltage values are just as important. The new R&S®NGL 200 power supply family does an excellent job of meeting these requirements. The power supplies are packed full of features that make the R&S®NGL 201 (single-channel) and R&S®NGL 202 (two cascadable channels) models ideal for many challenging tasks in lab and ATE applications. Thanks to the two-quadrant architecture, the 6.5 digit power supplies function as both source and sink and can be used for tasks such as controlled charging and discharging of batteries. The properties of simulated battery types can be reproduced using the variable internal impedance. Current/voltage characteristics can

be precisely programmed – with dwell times per value ranging from 1 ms to several hours. The power supplies offer numerous interfaces for ATE applications, including WLAN. An impressive operating feature is the high-resolution 5" touchscreen, which not only clearly displays the measured values but also provides easy access to the many device functions.

Key features	R&S®NGL 201	R&S®NGL 202
Output channels (electrically isolated, floating, short-circuit-proof)	1	2
Max. output power per channel	60 W	
Output voltage per channel	0 V to 20 V	
Max. output current per channel	≤ 6 V: 6 A, > 6 V: 3 A	
Load transient recovery time	< 30 µs	
Max. power values per channel when used as load	60 W, 3 A	

