

Keithley 2281S-20-6 vs. Rohde & Schwarz NGM202

COMPETITIVE FACTSHEET

The following table provides a basic comparison of the Keithley 2281S-20-6 DC Power Supply / Battery Simulator with the Rohde & Schwarz NGM202 Power Supply.



Parameter	KEI 2281S	NGM202
Number of Channels	1	2
Maximum DC Output Ratings		
Voltage	0 to 20 V	0 to 20 V
Current	≤ 20 V: 0 to 6 A	≤ 6 V: 0 to 6 A > 6 V: 0 to 3 A
Power	120 W	120 W
Max Per Channel	120 W	60 W
Readback Accuracy		
Voltage: 20 V Range	< 0.02% + 2 mV	< 0.02% + 2 mV
Current: 10 A Range	< 0.05% + 250 μA	< 0.05% + 250 μA
1 A Range	< 0.04% + 250 μA	< 0.05% + 1 mA
100 mA Range	< 0.04% + 10 μA	< 0.05% + 100 μA
10 mA Range	< 0.04% + 10 μA	< 0.05% + 15 μA
Setting and Readback Resolution		
Voltage	100 μV	10 μV
Current	10 nA	10 nA
Battery Simulator Mode		
License Required?	No	Yes
Discharge/Charge Test	Yes	Yes
Dynamic Modeling	Yes	Yes
Max sink Current	1 A *	3 A
Programmable Sink?	Set to 1 A *	CC, CV, CR
Ripple and Noise (20Hz - 20MHz)		
Voltage	< 1 mV RMS / < 6 mV peak-to-peak	< 500 μV RMS / < 2 mV peak-to-peak
Current	< 3mA RMS	< 1 mA RMS
Load Regulation		
Voltage	< 0.01% + 2 mV	< 0.01% + 1 mV
Current	< 0.01% + 0.25 mA	< 0.01% + 0.1 mA
Remote Sense?	Yes	Yes
Protection Functions	OVP, OCP, OTP	OVP, OCP, OTP, OPP
Communications Interfaces	GPIB, USB, LAN	GPIB, USB, LAN

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