

Competitive Fact Sheet

Series 2280S Power Supply

Selling against Agilent 66321B, 6643A/6644A, N6705B+N6762A, and E3634A



Series 2280S vs. Agilent 66321B

Ease of Use

免責聲明
資料僅供參考，若有與原廠不合之處，請以原廠規格為準，且不供任何證明文件之用

Tektronix Keithley Series 2280S

- ✓ 4.3-inch color TFT display, graphical user interface
- ✓ Voltage and current readbacks trend plot, data sheet, and statistics analysis
- ✓ Supports GPIB, USB, LAN/LXI interfaces
- ✓ Front-panel output binding posts for output connections

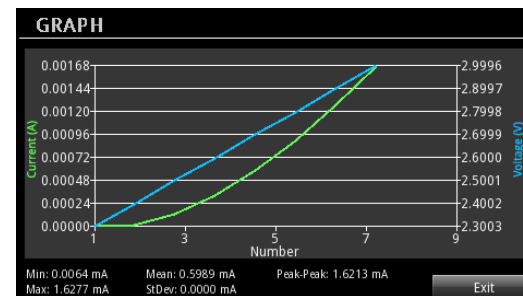


Agilent 66321B

- ✗ VFD display
- ✗ Single-line display of the voltage and current
- ✗ Supports only GPIB interface
- ✗ No front-panel output binding posts



Series 2280S Power Supply LXI Virtual Front Panel



Series 2280S Power Supply Graph

Points	Time	Voltage	Current
26	05/12 16:31	+003.0004 V	+000.3243 mA
27	16:31:40.30	+001.5002 V	+000.8122 mA
28	16:31:42.33	+003.0004 V	+000.3709 mA
29	16:31:44.36	+001.2001 V	+000.8302 mA
30	16:31:46.39	+003.0004 V	+000.3240 mA
31	16:31:48.42	+000.9002 V	+005.5915 mA
32	16:31:50.45	+003.0003 V	+003.1419 mA
33	16:31:52.49	+000.6003 V	-000.0057 mA

Series 2280S Power Supply Data Sheet

Series 2280S vs. Agilent 66321B

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Tektronix Keithley Series 2280S



Agilent 66321B



Key Specifications/Feature Comparison

	Tektronix Keithley Series 2280S	Agilent 66321B
Output voltage/current/power	✓ 2280S-32-6: 32V/6A 2280S-60-3: 60V/3.2A 192W	✗ 15V/3A 45W
Voltage setting accuracy	✓ 0.02% + 3mV 2280S-32-6 0.02% + 6mV 2280S-60-63	✗ 0.05% + 10mV
Current setting accuracy	✓ 0.05% + 0.1mA	✗ 0.05% + 1.33mA
Voltage readback accuracy	✓ 0.02% + 2mV 2280S-32-6 0.02% + 4mV 2280S-60-63	✗ 0.03% + 5mV
Current measurement range	✓ 4	✗ 3
Current readback accuracy	✓ 10A Range: ± (0.02% + 250µA)	✗ 5A Range: ±(0.2% + 0.5mA)
	1A Range: ± (0.02% + 250µA)	1A Range: ±(0.1% + 0.2mA)
	100mA Range: ± (0.05% + 10µA)	None
	10mA Range: ± (0.05% + 10µA)	20mA Range: ±(0.1% + 2.5µA)
Programmable slew rate	✓ 10V/s – 1000V/s	✗ None
Ripple and noise	✓ 5mVpp	✗ 6mVpp
Fastest sampling rate	✗ 33µs	✓ 15µs
Sink current	✗ 0.45A	✓ 3A
MSRP	✓ \$1990	✗ Power supply: \$2631 PC software: \$1922

Series 2280S vs. Agilent 6643A/6644A

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Tektronix Keithley Series 2280S

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- ✓ Voltage and current readbacks trend plot, data sheet and statistics analysis
- ✓ Supports GPIB, USB, LAN/LXI interfaces
- ✓ Front-panel output binding posts for output connections

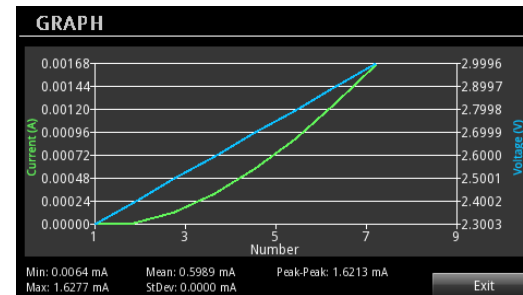


Agilent 6643A/6644A

- ✗ LED display
- ✗ Single-line display of the voltage and current
- ✗ Supports only GPIB interface
- ✗ No front-panel output binding posts



Series 2280S Power Supply LXI Virtual Front Panel



Series 2280S Power Supply Graph

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Series 2280S Power Supply Data Sheet

Series 2280S vs. Agilent 6643A/6644A

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Tektronix Keithley Series 2280S



Agilent 6643A/6644A



Key Specifications/Feature Comparison

	Tektronix Keithley Series 2280S		Agilent 6643A/6644A	
Output voltage/current/power	✓	2280S-32-6: 32V/6A 2280S-60-3: 60V/3.2A 192W	✓	6643A: 35V/6A 6644A: 60V/3.5A 210 W
Voltage setting accuracy	✓	0.02% + 3mV 2280S-32-6 0.02% + 6mV 2280S-60-63	✗	0.06% + 15mV 6643A 0.06% + 26 mV 6644A
Current setting accuracy	✓	0.05% + 0.1mA	✗	0.15% + 6.7mV 6643A 0.15% + 4.1mV 6644A
Voltage readback accuracy	✓	0.02% + 2mV 2280S-32-6 0.02% + 4mV 2280S-60-63	✗	0.07% + 25mV 6643A 0.07% + 40mV 6643A
Current measurement range	✓	4	✗	1
Current readback accuracy	✓	10A Range: ± (0.02% + 250µA)	✗	0.15% + 5mA 6643A 0.15% + 3mA 6644A
		1A Range: ± (0.02% + 250µA)		
		100mA Range: ± (0.05% + 10µA)		
		10mA Range: ± (0.05% + 10µA)		
Ripple and noise	✓	5mVpp	✓	5mVpp
Programmable slew rate	✓	10V/s – 1000V/s	✗	None
MSRP	✓	\$1990	✗	\$3148

Series 2280S vs. Agilent N6705B+N6762A

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Tektronix Keithley Series 2280S

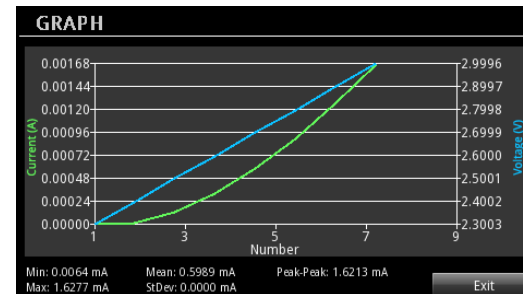
- ✓ 4.3-inch color TFT display, graphical user interface
- ✓ Voltage and current readbacks trend plot, data sheet, and statistics analysis
- ✓ Supports GPIB, USB, LAN/LXI interfaces



Series 2280S Power Supply LXI Virtual Front Panel

Agilent N6705B+N6762A

- ✗ TFT display, graphical user interface
- ✗ Voltage and current readbacks trend plot, data sheet, and statistics analysis
- ✓ Supports GPIB, USB, LAN/LXI interfaces



Series 2280S Power Supply Graph

DATA SHEET			
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Series 2280S Power Supply Data Sheet

Series 2280S vs. Agilent N6705B+N6762A

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Tektronix Keithley Series 2280S



Agilent N6705B+N6762A



Key Specifications/Feature Comparison

	Tektronix Keithley Series 2280S		Agilent N6705B+N6762A	
Output voltage/current/power	✓	2280S-32-6: 32V/6A 2280S-60-3: 60V/3.2A 192W	✓	50V/3A 100W
Voltage setting accuracy	✗	0.02% + 3mV 2280S-32-6 0.02% + 6mV 2280S-60-63	✓	0.016% + 6mV
Current setting accuracy	✗	0.05% + 0.1 mA	✓	0.04% + 30µA
Voltage readback accuracy	✓	0.02% + 2mV 2280S-32-6 0.02% + 4mV 2280S-60-63	✓	0.016% + 6mV
Current measurement range	✓	4	✗	1
Current readback accuracy	✓	10A Range: ± (0.02% + 250µA)	✗	0.03% + 15µA
		1A Range: ± (0.02% + 250µA)		
		100mA Range: ± (0.05% + 10µA)		
		10mA Range: ± (0.05% + 10µA)		
Programmable slew rate	✗	10V/s – 1000V/s	✓	Rise: 2500V/s Fall: 3333V/s
Ripple and noise	✓	5mVpp	✓	4.5mVpp
MSRP	✓	\$1990	✗	N6705B: \$7471 N6762A: \$2967 PC software: \$1267

Series 2280S vs. Agilent E3634A

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- ✓ Voltage and current readbacks trend plot, data sheet, and statistics analysis
- ✓ Supports GPIB, USB, LAN/LXI interfaces

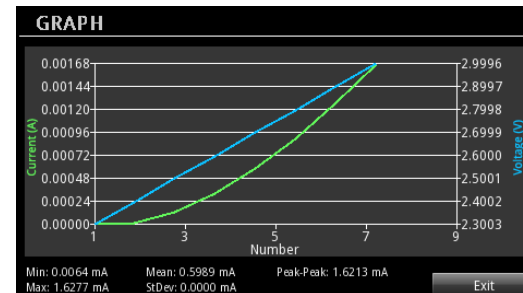


Agilent E3634A

- ✗ VFD display
- ✗ Single-line display of the voltage and current
- ✗ Only supports GPIB and RS-232 interfaces



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Tektronix Keithley Series 2280S



Agilent E3634A



Key Specifications/Feature Comparison

	Tektronix Keithley Series 2280S		Agilent E3634A	
Output voltage/current/power	✓	2280S-32-6: 32V/6A 2280S-60-3: 60V/3.2A 192W	✓	25V/7A or 50V/4A 200W
Voltage setting accuracy	✓	0.02% + 3mV 2280S-32-6 0.02% + 6mV 2280S-60-63	✗	0.05% + 10mV
Current setting accuracy	✓	0.05% + 0.1mA	✗	0.2% + 10mA
Voltage readback accuracy	✓	0.02% + 2mV 2280S-32-6 0.02% + 4mV 2280S-60-63	✗	0.05% + 5mV
Current measurement range	✓	4	✗	1
Current readback accuracy	✓	10A Range: ± (0.02% + 250µA)	✗	0.15% + 5mA
		1A Range: ± (0.02% + 250µA)		
		100mA Range: ± (0.05% + 10µA)		
		10mA Range: ± (0.05% + 10µA)		
Ripple and noise	✗	5mVpp	✓	2mVpp
Programmable slew rate	✓	10V/s – 1000V/s	✗	None
MSRP	✗	\$1990	✓	\$1464

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