

Triple Output DC Power Supplies 9140 Series

Company	B&K Precision				Keysight		Rohde & Schwarz
Model	9140	9141	9131B	9132B	E36233A	E36234A	NGP822
List price	\$1,850		\$1,595		\$2,858		\$3,250
Output Power	300 W (100 W per channel)		375 W total		400 W (200 W per channel)		400 W (200 W per channel)
Form Factor	2U x 1/2		2U x 1/2		3U x 1/2		2U x 14.25 inches
Cost-Per-Watt	\$6.17		\$4.25		\$7.15		\$8.13
Output Characteristics							
Number of Outputs	3		3		2		2 (4 channel option \$4,875)
Multi-ranging (autorange)	✓		No		✓		✓
DC Output Rating	32 V / 8 A per channel	60 V / 4 A per channel	Ch 1 & 2: 30 V / 6 A Ch 3: 5 V / 3 A	Ch 1 & 2: 60 V / 3 A Ch 3: 5 V / 3 A	30 V / 20 A per channel	60 V / 10 A per channel	64 V / 10 A per channel
Load Regulation	≤ 0.01% + 3 mV		≤ 0.01% + 3 mV		< 0.01% + 2 mV		< 0.01% + 10 mV
Ripple and Noise (20 Hz to 20 MHz)	≤ 5 mVpp / ≤ 1 mVrms ≤ 3 mA rms	≤ 10 mVpp / ≤ 2 mVrms ≤ 3 mA rms	≤ 1 mVrms ≤ 5 mA rms	≤ 1 mVrms ≤ 4 mA rms	< 4.5 mVpp / < 350 μVrms < 1 mA rms	< 3.5 mVpp / < 350 μVrms < 1 mA rms	30 mVpp / 3 mVrms 3.5 mA rms
Max Series Mode Voltage	96 V	180 V	62 V	122 V	60 V	120 V	128 V
Max Parallel Mode Current	24 A	12 A	15 A	9 A	40 A	20 A	20 A
Features							
Multi-type Output Terminals	✓ Supports both sheathed/unsheathed banana and spade lug type		Supports only unsheathed banana plug and spade lug type		Supports only spade lug type		Supports only sheathed/unsheathed banana plug
List Mode Programming	✓		✓ Limited		✓		✓
Data Logging to USB	✓		-		✓		✓
Configurable Digital I/O Terminal	✓		-		✓		Option +\$365
General							
Standard I/O Interfaces	USB (TMC/VCP), LAN (LXI), (GPIB model option +\$190)		USBTMC, RS232, GPIB		USBTMC, LAN (LXI), (GPIB option +\$301)		USB (TMC/VCP), LAN, (GPIB option +\$480)
NRTL ⁽¹⁾ Mark	cTUVus certification mark		-		CSA certification mark		cTUVus certification mark
Warranty	3 years		3 years		3 years		3 years

⁽¹⁾ Nationally recognized test laboratory such as UL, CSA, TÜV