

# High-Density Power Supplies

## Power without Compromise



## High Density, High Performance

Keysight high-density power supplies empower engineers to accelerate power validation with superior space efficiency, integrated regenerative and bi-directional power capabilities, and automation software for deeper insights and automation — enabling breakthrough designs to hit the market faster without compromise.

To help you get started, the table below highlights a selection of power supplies and electronic loads to match your needs.

## RP5900 Series Regenerative DC Power Supplies

The Keysight RP5900 Series is a family of bidirectional, regenerative DC power supplies with an integrated regenerative electronic load. Its regenerative design returns energy to the grid cleanly, reducing energy consumption and cooling costs.

RP59xxA	2 kW	4 kW	6 kW	12 kW
<b>80 V Models</b>	<b>RP5913A</b>	<b>RP5923A</b>	<b>RP5933A</b>	<b>RP5934A</b>
Maximum current (A)	± 40	± 80	± 120	± 240
<b>500 V Models</b>	<b>RP5915A</b>	<b>RP5925A</b>	<b>RP5935A</b>	<b>RP5945A</b>
Maximum current (A)	± 12	± 24	± 36	± 72
<b>800 V Models</b>	<b>RP5916A</b>	<b>RP5926A</b>	<b>RP5936A</b>	<b>RP5946A</b>
Maximum current (A)	± 8	± 16	± 24	± 48
AC input voltage (VAC)	3-phase (110-520; 50/60 Hz)		3-phase (380-520; 50/60 Hz)	
Parallel capability (units)	16 (up to 192kW, 3840A)			
Computer interfaces	LAN, USB, GPIB, CAN, Analog, RS232			
Size (mm)	437 W x 43.5 H x 765.1 D (1U)			437 W x 88.4 H x 760.1 D (2U)
Arbitrary waveform	Up to 65,535 data points			

## EL4900 Series Regenerative DC Electronic Loads

Keysight EL4900 Series of midrange regenerative electronic loads. These single-input, programmable loads are available in compact 1U and 2U sizes, with power ratings from 2 kW to 12 kW.

EL49xxA	2 kW	4 kW	6 kW	12 kW
80 V Models	EL4913A	EL4923A	EL4933A	EL4943A
Maximum current (A)	40	80	120	240
500 V Models	EL4915A	EL4925A	EL4935A	EL4945A
Maximum current (A)	12	24	36	72
800 V Mdels	EL4916A	EL4926A	EL4936A	EL4946A
Maximum current (A)	8	16	24	48
AC input voltage (VAC)	3-phase (110-520; 50/60 Hz)		3-phase (380-520; 50/60 Hz)	
Parallel capability (units)	16 (up to 192kW, 3840A)			
Computer interfaces	LAN, USB, GPIB, CAN, Analog, RS232			
Size (mm)	437 W x 43.5 H x 765.1 D (1U)			437 W x 88.4 H x 760.1 D (2U)
Arbitrary waveform	Up to 65,535 data points			

## DP5700 Series DC Power Supplies

The Keysight DP5700 Series are compact, secure DC power supplies for lab and production use. With 40 single-output models, they offer 1.5 kW (half-rack) and 3.4 kW (full-rack) units, both in a slim 1U form.

1.5 kW Models	DP5721A	DP5722A	DP5723A	DP5724A	DP5726A	DP5728A	DP5730A	DP5731A	DP5733A	DP5736A
Max voltage (V)	10	20	30	40	60	80	100	150	300	600
Max current (A)	150	75	50	38	25	19	15	10	5	2.6
AC input voltage (VAC)	1-phase (100-240)									
Size (mm)	214 W x 43.9 H x 637 D									
3.4 kW Models	DP5741	DP5742	DP5743	DP5744	DP5746	DP5748	DP5750	DP5751	DP5753	DP5756
Max voltage (V)	10	20	30	40	60	80	100	150	300	600
Max current (A)	340	170	112	85	56	42	34	22.5	11.5	5.6
AC input voltage (VAC) <sup>1</sup>	<ul style="list-style-type: none"> <li>AS – 1-phase (200-240)</li> <li>AL – 3-phase (200-240)</li> <li>AH – 3-phase (380-480)</li> </ul>									
Size (mm)	422 W x 43.6 H x 566 D									

1. Example: AC input voltage for DP5744AL is 200-240 VAC, while DP5750AH is 380-480 VAC.

Keysight enables innovators to push the boundaries of engineering by quickly solving design, emulation, and test challenges to create the best product experiences. Start your innovation journey at [www.keysight.com](http://www.keysight.com).



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