

Programmable DC Power Supply

# Protek PR/PD Series



## Features

- 52 models: 6V~600V/1A~400A are available for selection.
- 5 or 4 digits of current and voltage meter.
- Max. Output Current up to 2000A (5 units in parallel).
- Switching mode, High density, and convenience for installation to 19" rack.
- Setting/ Measurement : 16bit D/A, 24bit A/D
- 750W in 1U half width, 1.5kW in 1U/2UH, 3kW in 2U height.
- Complete Protection : OVP, OCP, OTP
- Standard LXI, Isolation RS-485 Interface, (GPIB Interface is Option).
- PR/PD Series can store 16 sets of memories ; Memories can be recalled manually in front panel or by external
- CE, LXI approved

## Specifications

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All parameters are specified base on power on after 30 minutes, Ambient temperature  $23 \pm 5^\circ\text{C}$  / Humidity : Under 80% RH, AC Voltage :  $\pm 5\%$ , Frequency :  $\pm 5\%$ .

Ripple Bandwidth=5 ~ 1MHz

The minimum output is 2V when measuring the ripple of 6V~20V models. The minimum output is 10% of the rated voltage/current when measuring other models.

Output transient response time: resistor load testing within rated output voltage.

Special requests on demand.

All specifications are subject to change without notice.

## Specifications

Output		Model	Ripple		Line Regulation		Load Regulation		Response Time(S)			Remote Sense (V)	Size
CC	CC		CV	CC	CV	CC	CV	CC	Full Load UP	Full Load Down	No Load Down		
V	A		mV rms	mA rms	0,05% +mV	0,10% +mA	0,05% +mV	0,10% +mA					
0-6	0-100	PR/PD-6100	10	180	2.8	11	2.8	23	0.08	0.05	0.6	1	1UH
0-8	0-90	PR/PD-8090	10	180	2.8	11	2.8	23	0.08	0.05	0.6	1	
0-12.5	0-60	PR/PD-1260	10	120	4	8.5	4	18	0.08	0.05	0.8	1	
0-20	0-38	PR/PD-2038	10	76	4	5.8	4	12.6	0.08	0.05	0.8	1	
0-30	0-25	PR/PD-3025	10	63	5	4.5	5	10	0.08	0.08	0.9	1.5	
0-40	0-19	PR/PD-4019	10	48	6	3.9	6	8.8	0.08	0.08	1	2	
0-50	0-15	PR/PD-5015	10	43	8	3.6	8	8.2	0.08	0.08	1.1	2	
0-60	0-12.5	PR/PD-6012	10	38	8	3.25	8	7.5	0.08	0.08	1.1	3	
0-80	0-9.5	PR/PD-809	10	29	10	2.95	10	6.9	0.15	0.15	1.2	4	
0-100	0-7.5	PR/PD-1007	10	23	12	2.75	12	6.5	0.15	0.15	1.5	5	
0-150	0-5	PR/PD-1505	16	18	17	2.5	17	6	0.15	0.15	2	5	
0-300	0-2.5	PR/PD-3002	25	13	32	2.25	32	5.5	0.15	0.15	3	5	
0-350	0-2.1	PR/PD-3502	25	13	32	2.25	32	5.5	0.15	0.15	3	5	
0-450	0-1.7	PR/PD-4501	34	13	35	2.3	35	5.5	0.21	0.24	3.5	5	
0-600	0-1.25	PR/PD-6001	75	8	62	2.13	62	5.26	0.25	0.3	4	5	
0-6	0-200	PR/PD-6200	15	360	2.8	18.5	2.8	38	0.08	0.05	0.6	1	1U
0-8	0-180	PR/PD-8180	15	360	2.8	18.5	2.8	38	0.08	0.05	0.6	1	
0-12.5	0-120	PR/PD-12120	15	248	3.4	14.5	4	28	0.08	0.05	0.8	1	
0-20	0-76	PR/PD-2076	15	152	4	9.6	4	20.2	0.08	0.05	0.8	1	
0-30	0-50	PR/PD-3050	15	125	5	7	5	15	0.08	0.08	0.9	1.5	
0-40	0-38	PR/PD-4038	15	95	6	5.8	6	12.6	0.08	0.08	1	2	
0-50	0-30	PR/PD-5030	15	85	7	5.2	7	11.4	0.08	0.08	1.1	2	
0-60	0-25	PR/PD-6025	15	75	8	4.5	8	10	0.08	0.08	1.1	3	
0-80	0-19	PR/PD-8019	15	57	10	3.9	10	8.8	0.15	0.15	1.2	4	
0-100	0-15	PR/PD-10015	15	45	12	3.5	12	8	0.15	0.15	1.5	5	
0-150	0-10	PR/PD-15010	24	45	12	3.5	12	8	0.15	0.15	2	5	
0-300	0-5	PR/PD-3005	38	25	32	2.5	32	6	0.15	0.15	3	5	
0-350	0-4.2	PR/PD-3504	38	25	32	2.5	32	6	0.15	0.15	3	5	
0-450	0-3.4	PR/PD-4503	68	18	35	2.5	32	5.8	0.21	0.24	3.5	5	
0-600	0-2.5	PR/PD-6002	113	15	62	2.26	62	5.5	0.25	0.3	4	5	
0-6	0-400	PR/PD-6400	23	1000	2.8	42	6.2	85	0.08	0.02	0.5	1	2U
0-8	0-360	PR/PD-8360	23	1000	2.8	42	6.2	85	0.08	0.02	0.5	1	
0-12.5	0-240	PR/PD-12240	23	800	3.2	29	7.1	60	0.08	0.1	0.8	1	
0-20	0-152	PR/PD-20150	23	600	4	18.5	8	38	0.08	0.1	0.8	1	
0-30	0-100	PR/PD-30100	23	310	5	13	9.5	27	0.08	0.16	0.9	1.5	
0-40	0-76	PR/PD-40076	23	250	6	10.5	11	22	0.08	0.16	1	2	
0-50	0-60	PR/PD-5060	23	200	7	9	13	19	0.08	0.16	1.1	2	
0-60	0-50	PR/PD-6050	23	150	8	7.5	14	16	0.08	0.16	1.1	3	
0-80	0-38	PR/PD-8038	23	110	10	6.2	17	13.4	0.15	0.3	1.2	4	
0-100	0-30	PR/PD-10030	23	90	12	5.3	20	11.6	0.15	0.3	1.5	5	
0-150	0-20	PR/PD-15020	36	90	17	4.2	27.5	9.4	0.15	0.3	2	5	
0-300	0-10	PR/PD-30010	57	50	32	3.1	50	7.2	0.15	0.3	3.5	5	
0-350	0-8.4	PR/PD-3508	57	50	32	3.1	50	7.2	0.15	0.3	3.5	5	
0-450	0-6.8	PR/PD-4506	134	42	43	2.8	84	6.7	0.25	0.5	4	5	
0-600	0-5	PR/PD-6005	170	30	62	2.55	95	6.1	0.25	0.5	4	5	

Products Information : Standard Products (Manual, Power Cable), Output Cable(Optional), Rack Mount(Optional), GPIB Interface(Optional), Input Power of Standard Rack is 110~230VAC 50/60Hz. Operating Condition (0~40°C, Humidity : < 70%). Upgrade of High Precision Resolution display is Option (PD4→ PR5 digits)