

Hybrid (Switching and Dropper) method Regulated DC Power Supplies

- PDS20-10A** (20V/10A)
- PDS20-18A** (20V/18A)
- PDS20-36A** (20V/36A)
- PDS36-6A** (36V/6A)
- PDS36-10A** (36V/10A)
- PDS36-20A** (36V/20A)
- PDS60-6A** (60V/6A)
- PDS60-12A** (60V/12A)

As compared with dropper-method DC power supplies, the unique switching and dropper circuit systems bring low output noise at same level, light weight less than half, and compact body. PDS-A power supply corresponds to EU RoHS regulation in consideration of environment. GP-IB, RS-232C, USB and LAN optional control boards are available and users are able to download API and drivers software from TEXIO web-site.

- Satisfying CE Mark Certification Requirements
- Series/Parallel Operation
- 3-points Voltage/Current Preset
- Various Protection Functions
- Off timer function
- Controlling transient build-up current function
- Sequence function
- External analog control function

Options

IF-70GU	GP-IB/USB Interface card
IF-71RS	RS-232C Interface card
IF-71LU	LAN/USB Interface card
OP-23P3	Paralle connection signal cable(2 to 3units)
OP-23S	Series connection signal cable
CB-0603S	Modular cable (0.3m)
CB-0615S	Modular cable (1.5m)
CB-0630S	Modular cable (3m)
CB-06100S	Modular cable (10m)
HK-11	Handle kit

Specifications

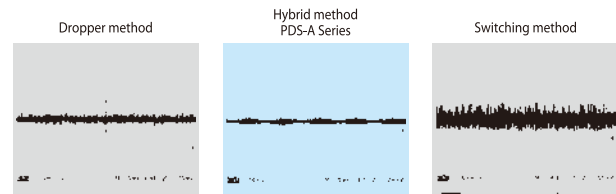
Model	Output (Voltage, Current)	Ripple		Line regulation		Load regulation		Dimensions W×H×D(mm)	Max. dimensions W×H×D(mm)	Power consumption VA(approx.)	Weight kg (approx.)
		CV mVrms	CC mA rms	CV mV	CC mA	CV mV	CC mA				
PDS20-10A	0V-20V, 0A-10A	0.5	10	2	5	3	5	140×124×364	140.8×141.2×415.5	340VA	5.2
PDS20-18A	0V-20V, 0A-18A	0.5	10	2	5	3	5	140×124×364	140.8×141.2×415.5	570VA	5.2
PDS20-36A	0V-20V, 0A-36A	0.5	10	2	10	3	5	210×124×364	210.8×141.2×415.5	1100VA	7.5
PDS36-6A	0V-36V, 0A-6A	0.5	5	2.8	1	3.8	5	140×124×364	140.8×141.2×415.5	330VA	5.2
PDS36-10A	0V-36V, 0A-10A	0.5	5	2.8	1	3.8	5	140×124×364	140.8×141.2×415.5	520VA	5.2
PDS36-20A	0V-36V, 0A-20A	0.5	10	2.8	5	3.8	5	210×124×364	210.8×141.2×415.5	1050VA	7.5
PDS60-6A	0V-60V, 0A-6A	0.5	5	4	1	5	5	140×124×364	140.8×141.2×415.5	510VA	5.2
PDS60-12A	0V-60V, 0A-12A	0.5	10	4	5	5	5	210×124×364	210.8×141.2×415.5	1000VA	7.5

PDS-A Series

Hybrid

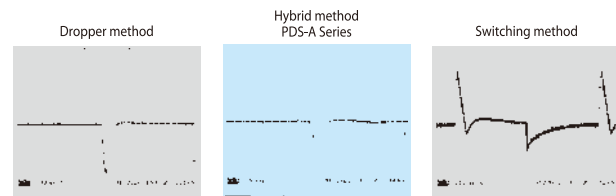


Low ripple / noise
0.5mVrms (30mVp-p) same as doropper method



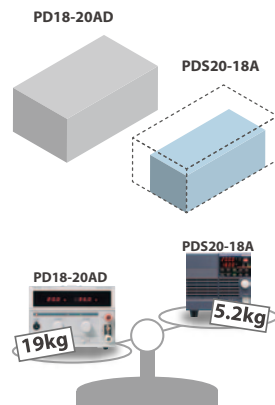
Comparing Ripple/ Noise (output: rated 36V/ 10A)

High speed transient response at 100μs(typ)
(Approx. 1ms for switching method power supplies)



Comparing transient response

Compared to Doropper method



* Compact size
Max. over 50% downsized compared
with PD-AD series

* Light weight