

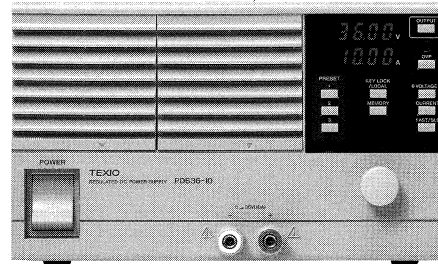
Regulated DC Power Supplies

- PDS20-18** (20V/18A)
- PDS36-10** (36V/10A)
- PDS60-6** (60V/6A)
- PDS60-12** (60V/12A)
- PDS80-10** (80V/10A)
- PDS120-6** (120V/6A)

- PDS20-36** (20V/36A)
- PDS36-20** (36V/20A)

PDS Series

Front Output Terminal

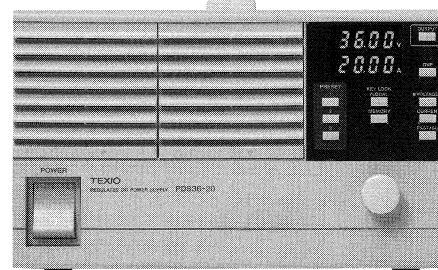


GP-IB
OPTION

RS232C
OPTION



Rear Output Terminal (PDS20-36,PDS36-20)



GP-IB
OPTION

RS232C
OPTION



● **High Power Factor (Typical. 95%)**

Active smoothing circuit provides high power factor and low distorted current input.

● **Low Noise and Ripple Level**

Series mode regulator with switching mode regulator combination keeps low noise and ripple level.

● **Master Slave Operation**

One master unit can control two additional parallel units or one series unit.

● **Preset Memory**

3-point preset memory provide easy setting operation.

● **Optional Remote Control Card**

One slot is available at the rear panel for optional GP-IB interface (IF-30GP) or RS-232C interface(IF-30RS) or analog interface card(IF-30ANA).

● **AC Power Source**

The PDS series accepts any AC voltage input from AC90V to AC250V without setting change.

Model	PDS20-18	PDS20-36	PDS36-10	PDS36-20	PDS60-6	PDS60-12	PDS80-10	PDS120-6	
Output									
Output Voltage	Volts	0~20V	0~20V	0~36V	0~36V	0~60V	0~60V	0~80V	0~120V
Output Current	Amps.	0~18A	0~36A	0~10A	0~20A	0~6A	0~12A	0~10A	0~6A
Power Output	Watts	360W	720W	360W	720W	360W	720W	800W	720W
Voltage regulation characteristics									
Line regulation	0.005%+1mV (With respect to ± 10% variation in AC)								
Load regulation	0.005%+2mV (With respect to change from 0 to 100%)								
Ripple / noise (By 20MHz Scope) p-p	30mV(p-p)								
Ripple / noise (5-1MHz) ms	1mV(rms)	1.5mV(rms)	1mV(rms)				1.5mV(rms)	2mV(rms)	
Display									
Voltage Display, Accuracy	4 digits LED, 0.1%rdg ±2digits (23°C±5°C)				3digits LED, 0.1%rdg ±2digits (23°C±5°C)			4 digits LED, 0.1%rdg ±2digits (23°C±5°C)	
Voltage Resolution	10mV				100mV				
Current Display, Accuracy	4 digits LED, 0.1%rdg ±2digits (23°C±5°C)				3 digits LED, 0.1%rdg ±2digits (23°C±5°C)	4 digits LED, 0.1%rdg ±2digits (23°C±5°C)		3 digits LED, 0.1%rdg ±2digits (23°C±5°C)	
Current Resolution	10mA								
Protection									
Over voltage protection	Power switch off at setting value								
Over current protection	Power switch off over 115% of F.S.								
Over heat protection	Power switch off over 110°C (Internal heat sink)								
Power requirement									
AC input voltage	AC90 to 250V 50/60Hz								
Power factor	typical 95%								
Power consumption	560W/600VA	1100W/1200VA	520W/550VA	1050W/1100VA	520W/550VA	1050W/1100VA	1200W/1300VA	1050W/1100VA	
Dimensions(Maximum Dimensions)/weight									
Dimensions (WxHxD)mm	210×124×405 (210×124×465.5)				210×124×405 (210×124×425.5)				
Weight approx.	6.3kg	7.2kg	6.3kg	7.2kg	6.3kg	7.2kg	7.2kg	7.2kg	
Option									
GP-IB interface card	V&I set/read, Output ON/Off								
RS-232C interface card	V&I set/read, Output ON/Off								
Analog interface Card	V/I control by external voltage or resistance, Voltage/ Current Value Monitor Output								