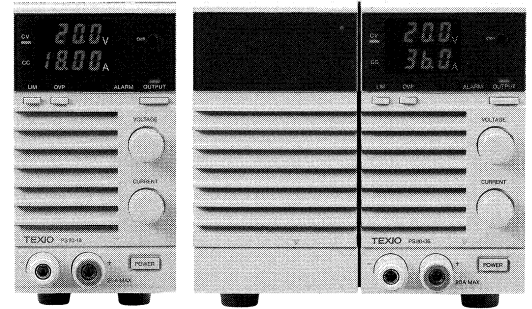


Regulated DC Power Supplies

PS Series

PS6-60 (6V/60A)
PS6-120 (6V/120A)
PS10-35 (10V/35A)
PS10-70 (10V/70A)
PS10-105 (10V/105A)
PS10-140 (10V/140A)
PS10-210 (10V/210A)
PS20-18 (20V/18A)
PS20-36 (20V/36A)
PS20-54 (20V/54A)
PS20-72 (20V/72A)
PS20-108 (20V/108A)

PS36-10 (36V/10A)
PS36-20 (36V/20A)
PS36-30 (36V/30A)
PS36-40 (36V/40A)
PS36-50 (36V/50A)
PS36-60 (36V/60A)
PS60-6 (60V/6A)
PS60-12 (60V/12A)
PS60-18 (60V/18A)
PS60-30 (60V/30A)
PS60-36 (60V/36A)



GP-IB
OPTION

● **Compact, Lightweight, Highly Efficient**

The PS Series uses a switching configuration, making possible a compact, lightweight design less than half as bulky and heavy as conventional power supplies. It is also highly efficient.

● **Digital Display of Voltage and Current**

The voltage and current output levels are shown simultaneously by 7-segment red LED indicators. Checking output values is a snap.

● **GP-IB System Compatibility**

The PS Series is equipped with controls for adjusting output voltage and current, several status signal outputs, output and power on/off switches and a remote/local selector. It is also compatible with the GP-IB control system (with the addition of optional GP-600B and OP-18-PS).

● **Wide Variety of Applications**

The output voltage and current can be regulated in a variety of ways, including external voltage control and external resistance control.

● **Low-noise fan motor**

The motor of the cooling fan is linked to a temperature sensor that automatically reduces the fan speed when the load or temperature is low. This helps to prevent excess noise.

● **Front Air Intake**

The PS Series is force cooled using air introduced via a grille in the front panel, making it suitable for high density rack mounting. The front grille has a built-in air filter to prevent dust from getting inside the unit.

● **Digital Display**

Easy-to-read 7-segment red LED indicators show voltage and current levels simultaneously. The 3-1/2 column autorange feature for voltage and current readings allows a maximum display resolution of 10mV and 10mA, respectively.

● **Applications**

●Reliability testing of electronic parts ●Durability testing of motors and drivers ●Testing of populated circuit boards and electronic devices ●Testing of rechargeable batteries ●Semiconductor aging apparatuses ●Operation testing of HICs, etc. ●Battery substitution ●As a constant-current power supply for electrolytic capacitor formation, metal plating, etc.

● **Safety Features**

●Fail-safe Function ●Output Over Voltage Protection (OVP) ●Output Over Current Protection (OCP) ●Overheating Protection (OHP) ●Input Power Supply Malfunction Protection ●Alarm (Power Supply Malfunction) Signal ●Power Supply Interruption Signal ●Rush Current Prevention Circuit

PS Series Specifications

Model	Output		CV(constant voltage)characteristics					CC(constant current)characteristics			Others		
	CV	CC	*1 Ripple	Line regulation	Load regulation	*2 Transient response	Rise/fall time	*3 Ripple	Line regulation	Load regulation	Input current	External dimensions	Weight
	V	A	mV rms	mV	mV	m sec	m sec (Fully loaded)	mA rms	mA	mA	AC (100/200V) A	type	kg (approx.)
PS6-60	0-6	0-60	10	8	11	1	80/150	120	125	125	8/5	I	3.0
PS6-120		0-120	10	8	11	1	80/150	260	245	245	16/10	II	5.5
PS10-35	0-10	0-35	10	10	15	2	80/150	70	75	75	8/5	I	3.0
PS10-70		0-70	10	10	15	2	80/150	160	150	150	15/9	II	5.5
PS10-105		0-105	10	10	15	2	80/150	220	225	225	22/13	III	7.0
PS10-140		0-140	15	20	25	2	80/150	260	300	300	30/18	IV	10.0
PS10-210		0-210	20	25	30	3	80/150	320	450	450	44/26	VI	14.0
PS20-18		0-18	10	15	25	1	80/150	40	41	41	8/5	I	3.0
PS20-36	0-20	0-36	10	15	25	2	80/150	92	82	82	15/9	II	5.5
PS20-54		0-54	15	15	25	2	80/150	120	123	123	22/13	III	7.0
PS20-72		0-72	15	15	30	2	80/150	150	164	164	30/18	IV	10.0
PS20-108		0-108	20	20	35	2	80/150	210	246	246	44/26	VI	14.0
PS36-10		0-10	10	23	41	1	80/150	20	25	25	8/5	I	3.0
PS36-20	0-36	0-20	10	23	41	2	80/150	60	50	50	15/9	II	5.5
PS36-30		0-30	15	23	41	2	80/150	80	75	75	22/13	III	7.0
PS36-40		0-40	20	23	41	2	80/150	100	100	100	30/18	IV	10.0
PS36-50		0-50	20	23	41	2	80/150	120	125	125	37/22	V	12.0
PS36-60		0-60	20	23	41	2	80/150	140	150	150	44/26	VI	14.0
PS60-6		0-6	10	35	65	1	80/150	12	17	17	8/5	I	3.0
PS60-12	0-60	0-12	15	35	65	2	80/150	44	34	34	15/9	II	5.5
PS60-18		0-18	20	35	65	2	80/150	55	51	51	22/13	III	7.0
PS60-30		0-30	20	35	65	2	80/150	77	85	85	37/22	V	12.0
PS60-36		0-36	20	35	65	2	80/150	88	102	102	44/26	VI	14.0

*1 At 5Hz-1MHz

*2 Time required for output voltage to return to within 0.1% +10mV of the setting value when output current is varied by 20-100% at 50 - 100% of rated output voltage.

*3 Measured at 1-100% of rated output voltage.

■ External dimensions

Type I : 70(W) x 124(H) x 351(D)mm Type II : 140(W) x 124(H) x 351(D)mm Type III: 210(W) x 124(H) x 351(D)mm Type IV: 280(W) x 124(H) x 350.5(D)mm
 Type V: 350(W) x 124(H) x 350.5(D)mm Type VI: 420(W) x 124(H) x 350.5(D)mm