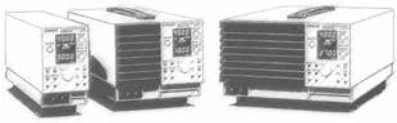
specifications



COMPACT DC POWER SUPPLY

PAS SERIES

SPECIFICATIONS

Model	Output		Constant Voltage				Constant Current			Other			
	CV	CC	Ripple	Line regulation	Load regulation	Transient response	Ripple	Line regulation	Load regulation	Input current	Rush current	External dimensions	Weight
	V	A	mV rms	mV or less	mV or less	ms (typical value)	mA rms	mA or less	mA or less	AC(100V/200V)A	Ap to peak (Max)	TYPE	kg (approx.)
PAS10-35	0 to 10	0 to 35	7	8	10	1	77	45	45	5.0 / 2.5	35	I	3
PAS10-70	0 to 10	0 to 70	11	8	10	1	185	80	80	10.0 / 5.0	70	II	5
PAS10-105	0 to 10	0 to 105	14	8	10	1	277	120	120	15.0 / 7.5	105	III	7
PAS20-18	0 to 20	0 to 18	7	13	15	1	40	28	28	5.0 / 2.5	35	I	3
PAS20-36	0 to 20	0 to 36	11	13	15	1	95	46	46	10.0 / 5.0	70	II	5
PAS20-54	0 to 20	0 to 54	14	13	15	1	143	69	69	15.0 / 7.5	105	III	7
PAS40-9	0 to 40	0 to 9	7	23	25	1	20	19	19	5.0 / 2.5	35	I	3
PAS40-18	0 to 40	0 to 18	11	23	25	1	48	28	28	10.0 / 5.0	70	II	5
PAS40-27	0 to 40	0 to 27	14	23	25	1	71	42	42	15.0 / 7.5	105	III	7
PAS60-6	0 to 60	0 to 6	7	33	35	1	13	16	16	5.0 / 2.5	35	I	3
PAS60-12	0 to 60	0 to 12	11	33	35	1	32	22	22	10.0 / 5.0	70	II	5
PAS60-18	0 to 60	0 to 18	14	33	35	1	48	33	33	15.0 / 7.5	105	III	7
PAS80-4.5	0 to 80	0 to 4.5	7	43	45	1	10	14.5	14.5	5.0 / 2.5	35	I	3
PAS80-9	0 to 80	0 to 9	11	43	45	1	24	19	19	10.0 / 5.0	70	II	5
PAS80-13.5	0 to 80	0 to 13.5	14	43	45	1	36	28.5	28.5	15.0 / 7.5	105	III	7
PAS160-2	0 to 160	0 to 2	10	83	85	2	5	7	7	5.0 / 2.5	35	I	3
PAS160-4	0 to 160	0 to 4	15	83	85	2	10	9	9	10.0 / 5.0	70	II	5
PAS160-6	0 to 160	0 to 6	20	83	85	2	15	11	11	15.0 / 7.5	105	III	7
PAS320-1	0 to 320	0 to 1	15	163	165	2	5	6	6	5.0 / 2.5	35	I	3
PAS320-2	0 to 320	0 to 2	20	163	165	2	5	7	7	10.0 / 5.0	70	II	5
PAS320-3	0 to 320	0 to 3	30	163	165	2	10	8	8	15.0 / 7.5	105	III	7
PAS500-0.6	0 to 500	0 to 0.6	20	253	255	2	5	5.6	5.6	5.0 / 2.5	35	I	3
PAS500-1.2	0 to 500	0 to 1.2	30	253	255	2	5	6.2	6.2	10.0 /5.0	70	II	5
PAS500-1.8	0 to 500	0 to 1.8	40	253	255	2	5	6.8	6.8	15.0 / 7.5	105	III	7

COMMON SPECIFICATIONS

Input voltage.....100 to 240 V AC (85 to 250 V AC), single phase, 47 to 63 Hz

Power factor .....0.98 typical value

Efficiency .....75% or better (70% or better for 10V models) *TYP

Temperature coefficient .....Constant-voltage output: 100 ppm/°C typ.
Constant-current output: 200 ppm/°C typ.

Indication meters

Voltmeter (23±5°C).....Maximum display: 99.99, Four-digit green LED display (Model below 80V)
999.9 (Model above 160V)
Measurement accuracy:± (0.2% of rdg* + 5digits)

Ammeter (23±5°C).....Maximum display: Four-digit green LED display

Maximum Output Current	Maximum Display
Model less than 10A	9.999
Model above 10A less than 100A	99.99
Model above 100A, PAS500-0.6	999.9
PAS500-1.2, PAS500-1.8	9999

* Current value for 500V models are displayed at the unit of (mA)

Measurement accuracy:± (0.5% of rdg* + 5digits)
*:rdg = reading

Protective circuits

Overvoltage protection.....Voltage setting range: 10% to 110% of rated output voltage

Overcurrent protection.....Current setting range: 10% to 110% of rated output current

Overheat protection.....Activated by elevated internal temperatures

Environmental conditions

Ambient temperature range for operation ..0 to 50°C

Ambient humidity range for operation ..20 to 85%rh

Storage temperature range -25 to 70°C

Storage humidity range .....90%rh or less

Cooling system .....Fan-based forced-air cooling, front air-intake

Voltage to ground.....±500 V (±600 V : 500 V model)

Safety .....Conforms to the requirements of the following directive and standard.
Low Voltage Directive 73/23/EEC
EN61010-1
Class I
Pollution degree 2

EMC.....Conforms to the requirements of the following directive and standard.
EMC Directive 89/336/EEC
EN61326
EN61000-3-2
EN61000-3-3

External dimensions (MAX) .....Type I: 71W×124(150)H×350(420)Dmm
Type II: 142.5W×124(160)H×350(420)Dmm
Type III: 214W×124(160)H×350(420)Dmm

Accessories .....Operation manual, power cord (350W/700W TYPES: approx. 2.4m long, with 3P plug/1000W TYPE: approx. 3m long, without plug), Rear output terminal protection cover, TP-BUS connector, J1 dummy plug for protection, Output terminal screws (M4/M8)