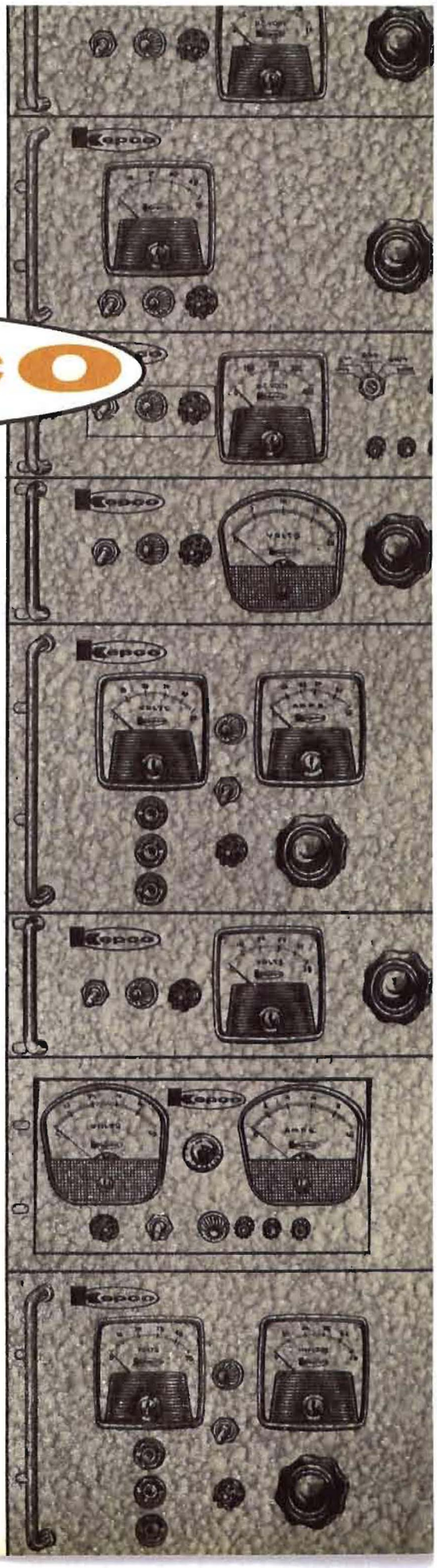
CATALOG B-601

Quality through specialization

Kepco inc.



VOLTAGE REGULATED POWER SUPPLIES

TRANSISTORIZED DESIGN

VACUUM TUBE DESIGN

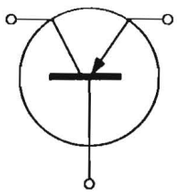
MAGNETIC DESIGN

Kepco inc.
131-38 SANFORD AVENUE • FLUSHING 55, N. Y. • IN 1-7000
TWX # NY 4-5196

Kepco

INDEX

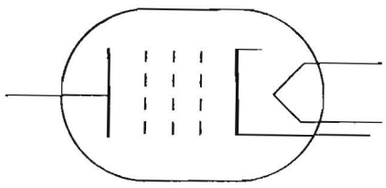
to voltage regulated power supplies according to DESIGN GROUP



TRANSISTORIZED
DESIGN GROUP

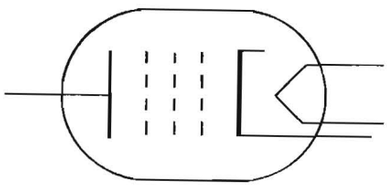
MODEL	DC OUTPUT VOLTS	DC OUTPUT AMPS.	REGULATION	PAGE
SC-32-0.5	0-32	0-0.5	0.01%	6-7
SC-32-1	0-32	0-1		
SC-32-1.5	0-32	0-1.5		
2SC-32-1.5	0-32	0-1.5		
Dual Output	0-32	0-1.5		
SC-32-2.5	0-32	0-2.5		
SC-32-5	0-32	0-5		
SC-32-10A	0-32	0-10		
SC-32-15A	0-32	0-15		
SC-60-2	0-60	0-2		
SC-60-5	0-60	0-5		
2SC-100-0.2	0-100	0-0.2		
Dual Output	0-100	0-0.2		
SC-150-1	0-150	0-1		
SC-300-1	0-300	0-1		
SC-18-0.5	0-18	0-0.5	0.1%	8-9
SC-18-1	0-18	0-1		
SC-18-2	0-18	0-2		
SC-18-4	0-18	0-4		
SC-36-0.5	0-36	0-0.5		
SC-36-1	0-36	0-1		
SC-36-2	0-36	0-2		
SC-3672-0.5	36-72	0-0.5		
SC-3672-1	36-72	0-1		
PSC- 5-2	0-7.5	0-2	0.02%	10-11
PSC-10-2	7.5-12.5	0-2		
PSC-15-2	12.5-17.5	0-2		
PSC-20-2	17.5-22.5	0-2		
PSC-28-1	22.5-32.5	0-1		
PSC-38-1	32.5-42.5	0-1		
HB-2	0-325	0-200 ma.	0.1%	12-13
HB-4	0-325	0-400 ma.		
HB-6	0-325	0-600 ma.		
SR12-50	5-13	0-50	0.1%	14-15
SR28-50	24-32	0-50		
SR48-30	44-52	0-30		

(See inside rear cover for index by output voltage)



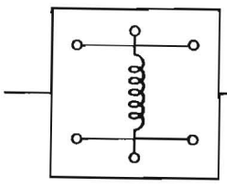
VACUUM TUBE DESIGN GROUP

MODEL	DC OUTPUT VOLTS	DC OUTPUT AMPS.	REGULATION	PAGE
800B	#1 0-600 #2 0-600 Parallel 1 & 2 0-600 Series 1 & 2 0-1200	0-200 ma. 0-200 ma. 0-400 ma. 0-200 ma.	TO 0.01%	18-19
430D	#1 0-450 #2 0-450 Parallel 1 & 2 0-450 Series 1 & 2 0-900	0-300 ma. 0-300 ma. 0-600 ma. 0-300 ma.		
2400B	#1 0-400 #2 0-400 #3 0-150 Bias Parallel 1 & 2 0-400 Series 1 & 2 0-800	0-150 ma. 0-150 ma. 0-5 ma. 0-300 ma. 0-150 ma.		
103	#1 0-300 #2 0-300 #3 −50 to +50 Parallel 1 & 2 0-300	0-75 ma. 0-75 ma. 0-5 ma. 0-150 ma.	unregulated	18-19
400B	0-400 0-150 Bias	0-150 ma. 0-5 ma.	TO 0.02%	18-19
730B	0-350	0-3 Amp.		
720B	0-350	0-2.25 Amp.		
710B	0-350	0-1.5 Amp.		
700B	0-350	0-750 ma.		
780B	0-600	0-3 Amp.	TO 0.01%	18-19
770B	0-600	0-2.25 Amp.		
760B	0-600	0-1.5 Amp.		
750B	0-600	0-750 ma.		
605	0-600 0-150 Bias	0-500 ma. 0-5 ma.		
615B	0-600 0-150 Bias	0-300 ma. 0-5 ma.		
2500	0-2500	0-50 ma.	TO 0.004%	18-19
1520B	0-1500	0-200 ma.		
1220C	0-1200	0-50 ma.		
1250B	0-1000	0-500 ma.		



VACUUM TUBE DESIGN GROUP

MODEL	DC OUTPUT VOLTS	DC OUTPUT AMPS.	REGULATION	PAGE
KR16	0-150	1.5 Amp.	0.1%	16-17
KR17	100-200	1.5 Amp.		
KR18	195-325	1.5 Amp.		
KR19	295-450	1.5 Amp.		
KR8	0-150	600 ma.		
KR5	100-200	600 ma.		
KR6	195-325	600 ma.		
KR7	295-450	600 ma.		
KR12	0-150	300 ma.		
KR3	100-200	300 ma.		
KR4	195-325	300 ma.		
KR10	295-450	300 ma.		
KR11	0-150	125 ma.		
KR1	100-200	125 ma.		
KR2	195-325	125 ma.		
KR9	295-450	125 ma.		



MAGNETIC DESIGN GROUP

MODEL	DC OUTPUT VOLTS	DC OUTPUT AMPS.	REGULATION	PAGE
KM236-15A	0.1-36	0-15	0.5%	20
KM236-30	0.1-36	0-30		
KM236-50	0.1-36	0-50		
KM251	2-14	30A or 240 W.	± 1%	21
KM-252	5-35	12A or 240 W.		
KM-253	20-60	6A or 240 W.		
KM-254	30-90	4A or 240 W.		
KM-255	60-180	2A or 240 W.		

DESIGN NOTES:

Kepco

voltage regulated power supplies

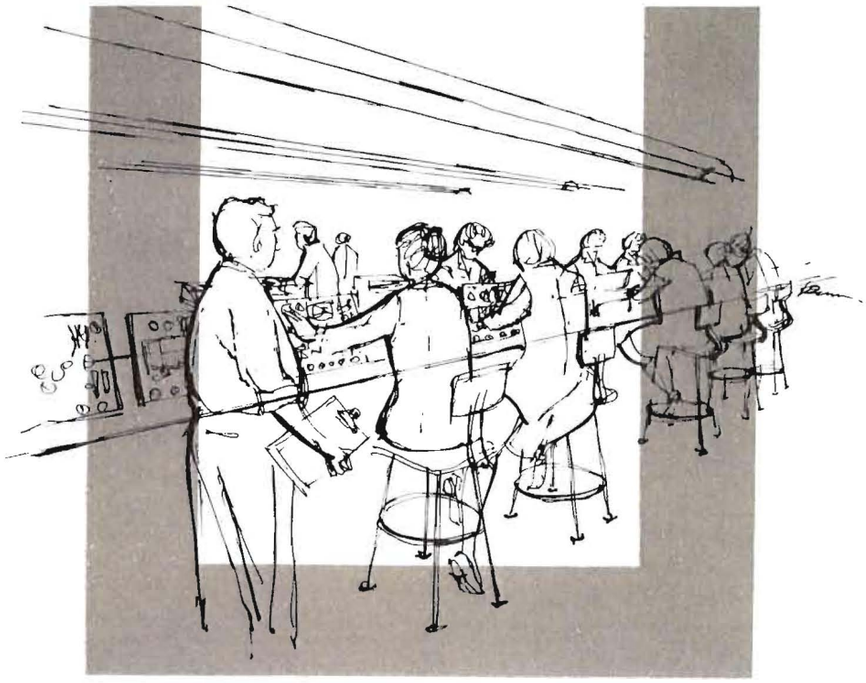
TRANSISTORIZED AND VACUUM TUBE

An unregulated DC voltage is distributed between the output terminals of the power supply and variable impedance devices in series with the output. Thus, the variable impedance elements or "pass elements" provide the means by which output regulation is implemented.

The impedance of the pass elements varies in response to an error signal produced by a continuous comparison between the output voltage and a stabilized reference voltage. This amplified error signal, as negative feedback, opposes the tendencies of the output voltage to vary from a given setting, under the influence of line and load variations. As a result the difference between the output voltage setting and the unregulated DC voltage is dropped across the pass elements.

MAGNETIC

Magnetically regulated Kepco power supplies incorporate a ferro-resonant line regulator and a magnetic amplifier. The ferro-resonant line regulator provides well regulated transient-free AC input power for the system. The high gain magnetic amplifier stabilizes the DC output voltage for varying load current demands by regulating the AC input to the rectifier and filter. The regulating action of the magnetic amplifier is initiated in response to feedback from a comparison between the output voltage and a stable reference.



WE have specialized for 14 years
in the design and manufacture of
voltage regulated power supplies.
Being dynamic, we have gathered no moss,
some laurel, and a considerable knowledge of
voltage regulated power supplies.

THIS CATALOG is the most complete
list of standard model power supplies extant . . . in it you will find
useful information—not hyperbole—about each model.

Index to models by Regulator design is on the inside front cover
Index to models by Output Voltage Range is on the inside back cover

TRANSISTORIZED SC GROUP

voltage regulated power supplies

0.01% REGULATION AND STABILITY

MODEL	DC OUTPUT VOLTS	DC OUTPUT AMPS.	OUTPUT IMPEDANCE OHMS DC-1 KC	OUTPUT IMPEDANCE OHMS 1 KC-100 KC	RACK MOUNT W	RACK MOUNT H	RACK MOUNT D*
SC-32-0.5	0-32	0-0.5	0.02	0.2	19"	3½"	13"
SC-32-1	0-32	0-1	0.01	0.1	19"	3½"	13"
SC-32-1.5	0-32	0-1.5	0.01	0.1	19"	3½"	13"
2SC-32-1.5	0-32	0-1.5	0.01	0.1	19"	7"	13"
DUAL OUTPUT	0-32	0-1.5	0.01	0.1			
SC-32-2.5	0-32	0-2.5	0.01	0.1	19"	3½"	13"
SC-32-5	0-32	0-5	0.005	0.05	19"	5¼"	13"
SC-32-10A	0-32	0-10	0.001	0.01	19"	8¾"	14⅜
SC-32-15A	0-32	0-15	0.001	0.01	19"	8¾"	14⅜
SC-60-2	0-60	0-2	0.01	0.1	19"	5¼"	13"
SC-60-5	0-60	0-5	0.005	0.05	19"	8¾"	14⅜
2SC-100-0.2	0-100	0-0.2	0.1	1.0	19"	5¼"	13"
DUAL OUTPUT	0-100	0-0.2	0.1	1.0			
SC-150-1	0-150	0-1	0.05	0.5	19"	5¼"	13"
SC-300-1	0-300	0-1	0.1	1.0	19"	8¾"	14⅜

Patent Pending

*Depth behind panel

SPECIFICATIONS:

REGULATION:

LINE: Less than 0.01% for line changes 105-125 volts at any voltage in the specified output range.
LOAD: Less than 0.01% or 0.002 volt, whichever is greater, for load changes from 0 to maximum at any voltage in the specified output range.

STABILITY:

0.01% or 0.002 volt, whichever is greater, over a period of 8 hours, after warm-up.

RIPPLE:

0.001 volt RMS.

RECOVERY TIME:

50 microseconds.

OUTPUT IMPEDANCE:

See table for maximum specifications of each model.

AMBIENT OPERATING TEMPERATURE:

50°C maximum. Protective circuit turns off unit whenever over-temperature condition occurs. Unit is reset by interrupting input power.

TEMPERATURE COEFFICIENT:

Output voltage changes less than 0.01% per °C.

TERMINATIONS AND CONTROLS:

On front panel:—Terminations for DC output and ground, 10 turn voltage control, AC input power on-off switch.
On rear of unit:—Terminations for DC output and ground, remote output voltage control, and remote error signal; One turn current limit control.

Output terminals are clearly marked and isolated from chassis. Either positive or negative terminal may be grounded.

POWER REQUIREMENTS:

105-125 volts, 50-65 cycles. (400 cycle units available.)

METERS:

Ammeter and voltmeter included as standard equipment for each model in this design group.

VOLTAGE CONTROL RESOLUTION:

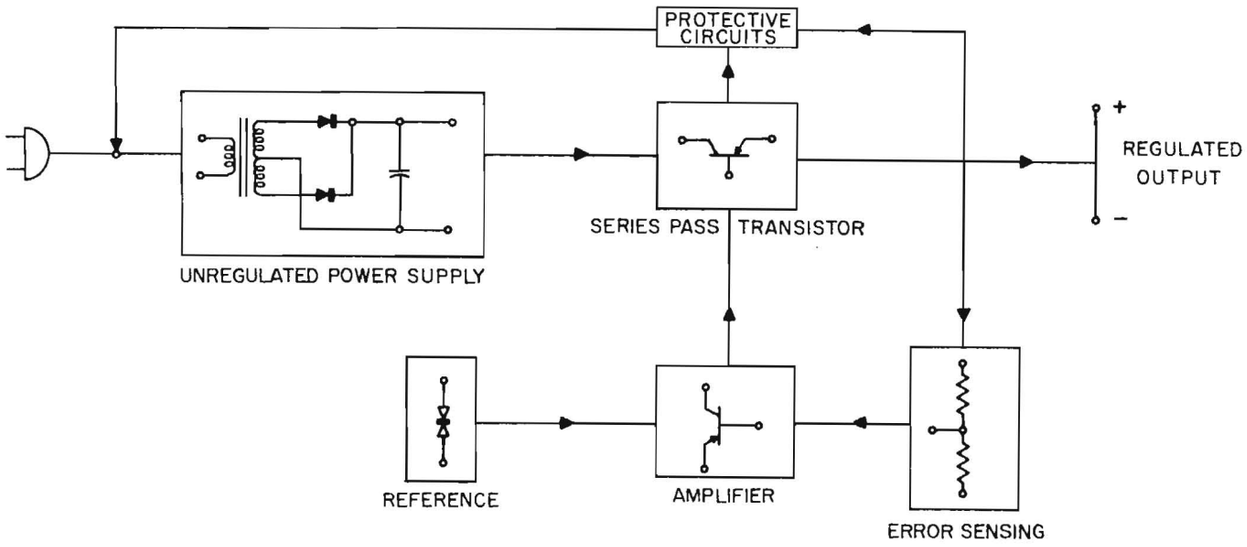
0.005% with 10 turn control.

SIZE:

See table for size specifications of each model.

COLOR:

Gray hammertone (special finishes to order).



FEATURES:

CURRENT LIMIT CONTROL:

All models in this design group are factory set to automatically limit at 120% of rated full load current. A one turn control provides adjustable current limiting from 0 to 120% of rated full load current as a standard feature for all 0-32 volt models.

SHORT CIRCUIT PROTECTION:

Unique circuitry enables continuous operation into a short circuit without the aid of fuses, circuit breakers or relays. Unit returns instantly to operating voltage when overload is removed. Ideal for lighting lamps and charging capacitive loads.

REMOTE OUTPUT VOLTAGE CONTROL:

Special terminations on terminal board enable voltage control from remote location at approximately 300 ohms/volt as standard feature for models SC-32-0.5, SC-32-1, 2SC-32-1.5, SC-32-1.5, SC-32-2.5, SC-32-5, and 2SC-100-0.2

REMOTE ERROR SIGNAL SENSING:

Special terminations enable regulation to be maintained directly at the load by providing a means of compensating for voltage drops across the load supply leads.

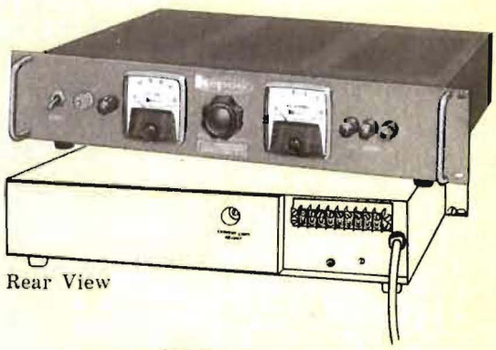
CONSTANT CURRENT OPERATION:

Special terminal board connections enable constant current mode of operation without internal modification. Available only for Models SC-32-0.5, SC-32-1, SC-32-1.5, 2SC-32-1.5, SC-32-2.5, SC-32-5, and 2SC-100-0.2 in this design group.

- Continuously variable output voltage.
- No voltage switching.
- Suitable for square wave pulsed loading.
- Either positive or negative output terminal can be grounded.
- Units can be series connected.
- High efficiency.
- Compact, light weight.
- Low heat dissipation.
- For bench or rack use.

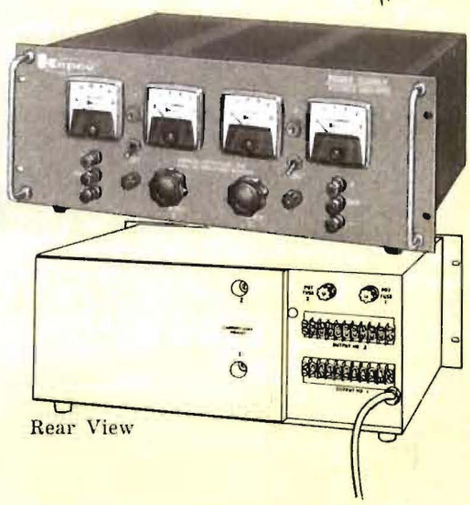
Models
SC-32-5
SC-60-2
SC-150-1

Models
SC-32-0.5
SC-32-1
SC-32-1.5
SC-32-2.5



Rear View

Models
2SC-32-1.5
2SC-100-0.2



Rear View

Kepco inc.

TRANSISTORIZED

SC GROUP

voltage regulated power supplies

0.1% REGULATION AND STABILITY

MODEL	OUTPUT VOLTS DC	OUTPUT AMPERES DC	OUTPUT IMPEDANCE DC-1KC	OUTPUT IMPEDANCE 1KC-100KC	SIZE W	SIZE H	SIZE D*
SC-18-0.5	0-18	0-0.5	.04	.4	8 3/32"	4 1/4"	13 5/8"
SC-18-1	0-18	0-1	.02	.2	8 3/32"	4 1/4"	13 5/8"
SC-18-2	0-18	0-2	.01	.1	8 3/32"	4 1/4"	13 5/8"
SC-18-4	0-18	0-4	.005	.05	19"	3 1/2"	13"
SC-36-0.5	0-36	0-0.5	.08	.8	8 3/32"	4 1/4"	13 5/8"
SC-36-1	0-36	0-1	.04	.4	8 3/32"	4 1/4"	13 5/8"
SC-36-2	0-36	0-2	.02	.2	19"	3 1/2"	13"
SC-3672-0.5	36-72	0-0.5	.15	1.0	8 3/32"	4 1/4"	13 5/8"
SC-3672-1	36-72	0-1	.08	.8	19"	3 1/2"	13"

Patent Pending

*Depth behind panel

SPECIFICATIONS:

REGULATION:

LINE: Less than 0.1% for line changes 105-125 volts at any voltage in the specified output range.
LOAD: Less than 0.1% or 0.003 volt, whichever is greater, for load changes from 0 to maximum at any voltage in the specified output range.

STABILITY:

0.1% or 0.006 volt, whichever is greater, over a period of 8 hours, after warm-up.

RIPPLE:

0.001 volt RMS.

OUTPUT IMPEDANCE:

See table for maximum specifications of each model.

AMBIENT OPERATING TEMPERATURE:

50°C maximum. Protective circuit turns off unit whenever over-temperature condition occurs. Unit is reset by interrupting input power.

RECOVERY TIME:

50 microseconds.

POWER REQUIREMENTS:

105-125 volts, 50-65 cycles (400 cycle units available).

TEMPERATURE COEFFICIENT:

Output voltage changes less than 0.05% per °C.

TERMINATIONS AND CONTROLS:

On front panel:—DC output, ground terminations, one turn voltage control, (10 turn on special order), AC input power on-off switch.
On rear of unit:—DC output and ground, remote output voltage control, and remote error signal sensing terminations on terminal board, current limit control. Output terminals are isolated from the chassis. Either positive or negative output terminal may be grounded.

SIZE:

See table for specifications of each model.

COLOR:

Gray hammertone (special finishes to order).

FEATURES:

CURRENT LIMIT CONTROL:

All models in this design group are factory set to automatically limit at 120% of rated full load current. A one turn control provides adjustable current limiting from 0 to 120% of rated full load current as a standard feature for all models except 3672-0.5 and 3672-1.

SHORT CIRCUIT PROTECTION:

Unique circuitry enables continuous operation into a short circuit without the aid of fuses, circuit breakers, or relays. Unit returns instantly to operating voltage when overload is removed. Ideal for lighting lamps and charging capacitive loads.

REMOTE OUTPUT VOLTAGE CONTROL:

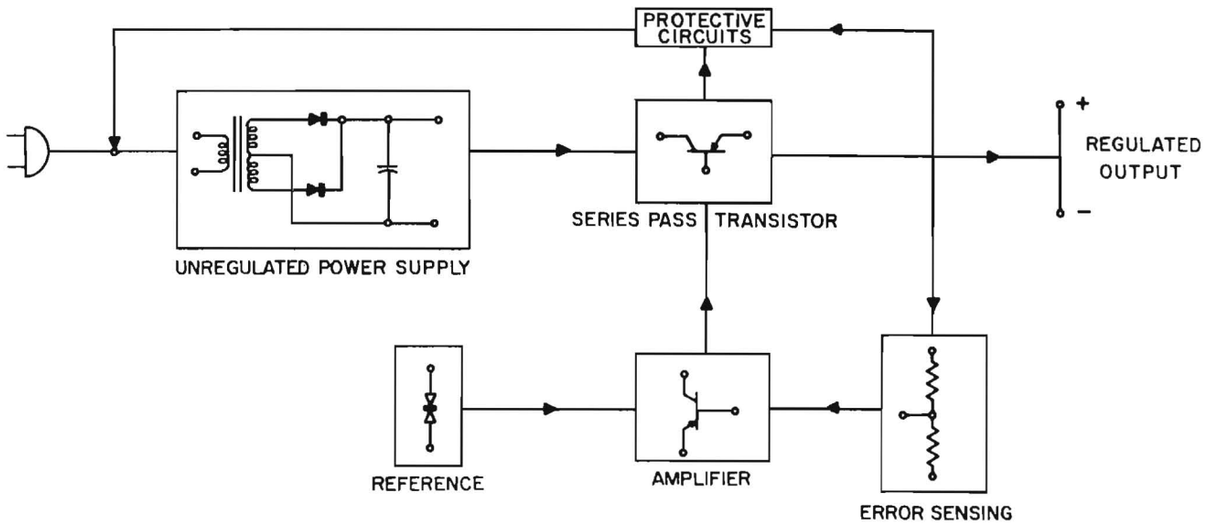
Special terminations enable voltage control from remote location at 1000 ohms per volt, without internal modification.

REMOTE ERROR SIGNAL SENSING:

Special terminations enable regulation to be maintained directly at the load by providing a means of compensating for voltage drops across the load supply leads.

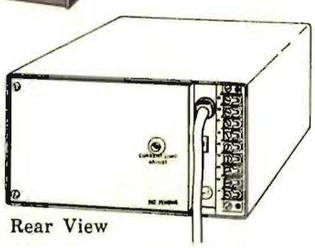
CONSTANT CURRENT OPERATION:

Special terminal board connections enable constant current mode of operation without internal modification.



Models
SC-18-0.5
SC-18-1
SC-18-2
SC-36-0.5
SC-36-1
SC-3672-0.5

Rack adapter for single unit: Model RA3



Rear View

Rack adapter for two units: Model RA2

Models
SC-18-0.5M
SC-18-1M
SC-18-2M
SC-36-0.5M
SC-36-1M
SC-3672-0.5M

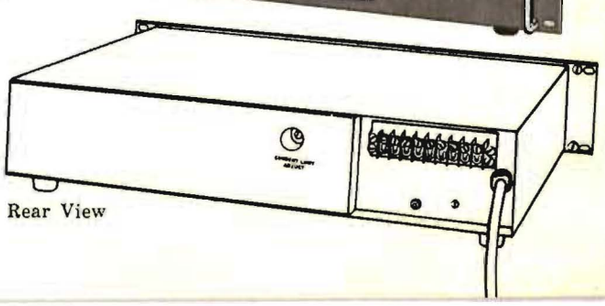
Models
SC-18-4M
SC-36-2M
SC-3672-1M

ORDERING INFORMATION

Units without meters use model numbers indicated in table. To include meters add M to the Model No. (e.g. SC-18-1-M).

Rack adapter for mounting any two $8\frac{5}{32}$" x 4¼" units is available. Model No. RA2 is 5¼" h x 19" w.

Rack adapter for mounting any one $8\frac{5}{32}$" x 4¼" unit is available. Model No. RA3 is 5¼" h x 19" w.



Rear View

Kepco inc.

TRANSISTORIZED

PSC GROUP

voltage regulated power supplies

0.02%

REGULATION AND STABILITY

MODEL	DC OUTPUT VOLTS	DC OUTPUT AMPS.
PSC- 5-2	0- 7.5	0-2
PSC-10-2	7.5-12.5	0-2
PSC-15-2	12.5-17.5	0-2
PSC-20-2	17.5-22.5	0-2
PSC-28-1	22.5-32.5	0-1
PSC-38-1	32.5-42.5	0-1

SPECIFICATIONS:

REGULATION:
LINE: Less than 0.02% for line changes 105-125 volts at any voltage in the specified output range.
LOAD: Less than 0.02% or 0.002 volts, whichever is greater, for load changes from 0 to maximum at any voltage in the specified output range.

STABILITY:
0.02% or 0.004 volt, whichever is greater, over a period of 8 hours, after warm-up.

RIPPLE:
0.001 volt RMS.

OUTPUT IMPEDANCE:
0.01 ohm, DC to 1 KC; 0.1 ohm, 1 KC to 100 KC.

AMBIENT OPERATING TEMPERATURE:
50°C maximum. Protective circuit turns off unit whenever over-temperature condition occurs. Interrupting input power resets unit.

TEMPERATURE COEFFICIENT:
Output voltage changes less than 0.01% per °C.

TERMINATIONS:
On barrier terminal board at base of unit—AC input, DC output and ground, remote output voltage control, remote error signal.
Either positive or negative terminal of DC output may be grounded.
Output terminals are clearly marked and isolated from the chassis.

RECOVERY TIME:
50 microseconds.

VOLTAGE CONTROL:
25 turn control available through hole in base plate.

POWER REQUIREMENTS:
105-125 volts, 50-65 cycles (400 cycle units also available.)

SIZE:
5¼" x 5¼" x 12½".

COLOR:
Gray hammertone (special finishes to order).

FEATURES:

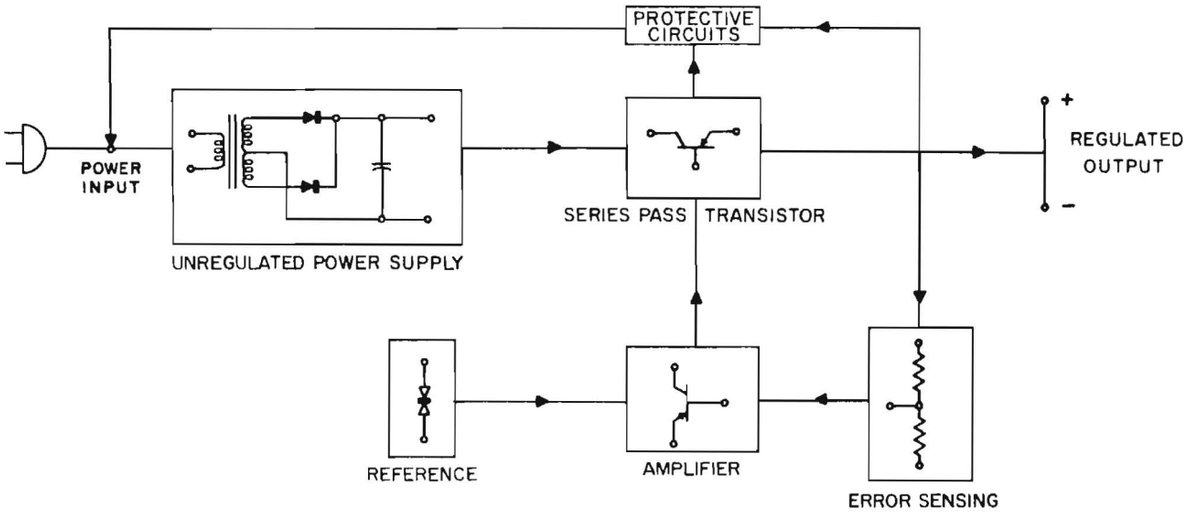
CURRENT LIMIT CONTROL:
One turn control can be set to establish automatic current limiting at any value from 0 to 120% of rated full load. Maximum current limit is factory set at 120% of rated full load.

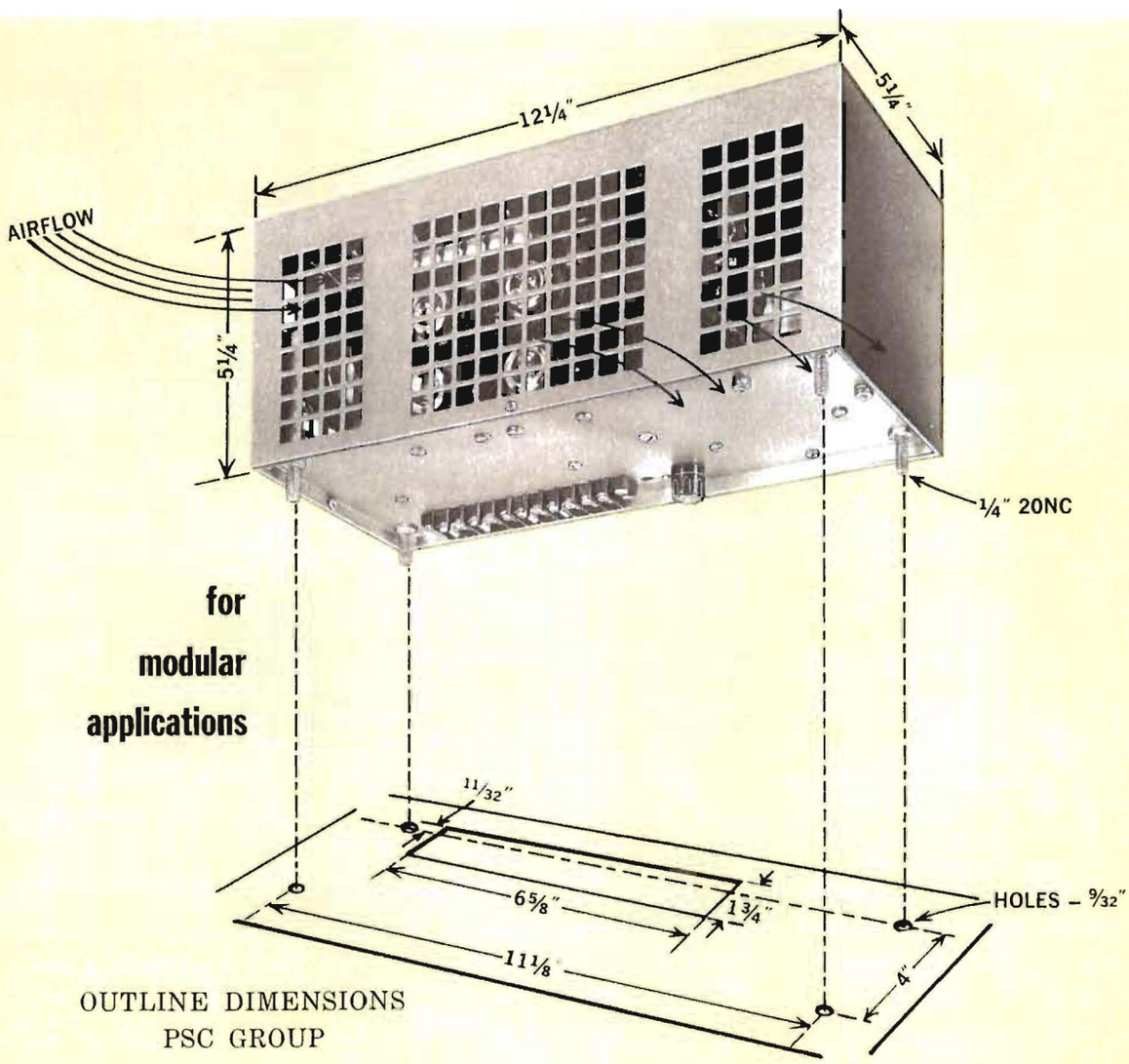
SHORT CIRCUIT PROTECTION:
Unique circuitry enables continuous operation into a short circuit without the aid of fuses, circuit breakers, or relays. Unit returns instantly to operating voltage when overload is removed. Ideal for lighting lamps and charging capacitive loads.

REMOTE OUTPUT VOLTAGE CONTROL:
Special terminations enable voltage control from remote location at approximately 1000 ohms per volt, without internal modification.

REMOTE ERROR SIGNAL SENSING:
Special terminations enable regulation to be maintained directly at the load by providing a means of compensating for voltage drops across the load supply leads.

CONSTANT CURRENT OPERATION:
Special terminal board connections enable constant current mode of operation without internal modification.





for modular applications

OUTLINE DIMENSIONS
PSC GROUP

Kepco inc.

TRANSISTORIZED HB GROUP

voltage regulated power supplies

0.1% REGULATION				
MODEL	DC OUTPUT VOLTS	DC OUTPUT CURRENT	RIPPLE	AC * OUTPUT
HB-2	0-325	200 ma.	0.003V	EACH SUPPLY HAS TWO UNREGULATED 6.5 VAC OUTPUTS AT 6 AMPS.
HB-4	0-325	400 ma.	0.003V	
HB-6	0-325	600 ma.	0.003V	

*Series connected: 13V CT — 6 Amps. Parallel connected: 6.5V — 12 Amps. (3% additional voltage provided to compensate for voltage drops in connecting cable)

0.01% MODELS AVAILABLE ON SPECIAL ORDER

SPECIFICATIONS:

REGULATION:
LINE: 0.1% for line variations from 105-125 volts at any output voltage in the operating range. LOAD: 0.1% or 0.2V, whichever is greater, for load variations from 0 to full load at any output voltage in the operating range.

STABILITY:
(for 8 hours) 0.2% or 0.2 volts, whichever is greater, after 1 hour warm-up.

RIPPLE:
3 millivolts RMS.

INPUT REQUIREMENTS:
105-125 volts, 50-440 cps.

TEMPERATURE COEFFICIENT:
Output voltage changes less than 0.05% per °C.

AMBIENT OPERATING TEMPERATURE:
—20°C to +50°C.

STORAGE TEMPERATURE:
—40°C to +85°C

TERMINATIONS:
Rear terminal board:—AC input, AC output, DC output and ground, Remote output voltage control, Remote DC output on-off control.
DC output also available on front panel.
All terminals are clearly marked and isolated from the chassis. Either positive or negative terminal may be grounded.

REMOTE DC ON-OFF CONTROL:
Remotely located switch may be connected to two terminals on the barrier terminal board to provide DC output on/off control.

REMOTE OUTPUT VOLTAGE CONTROL:
Without modification at 100 ohms/volts within each voltage band. For each 100 ohms change in the remote control resistance the output voltage changes by one volt.

VOLTAGE CONTROLS:
Voltage range switch: obtains coarse output settings in five bands: (0-70), (70-130), (130-195), (195-255), (255-325) volts.
Fine voltage control: obtains continuously variable output voltage within each voltage range band.

AC OUTPUT
Each unit has two unregulated 6.5 V AC outputs at 6 Amps. each. Series connection obtains 13V CT at 6 Amps; Parallel connection obtains 6.5V at 12 Amps.

METERS:
Optional, to specify metered models, add "M" to Model No. (e.g. HB-2M).

SIZE:
H-3½" x W-19" x D-14⅜" behind panel.

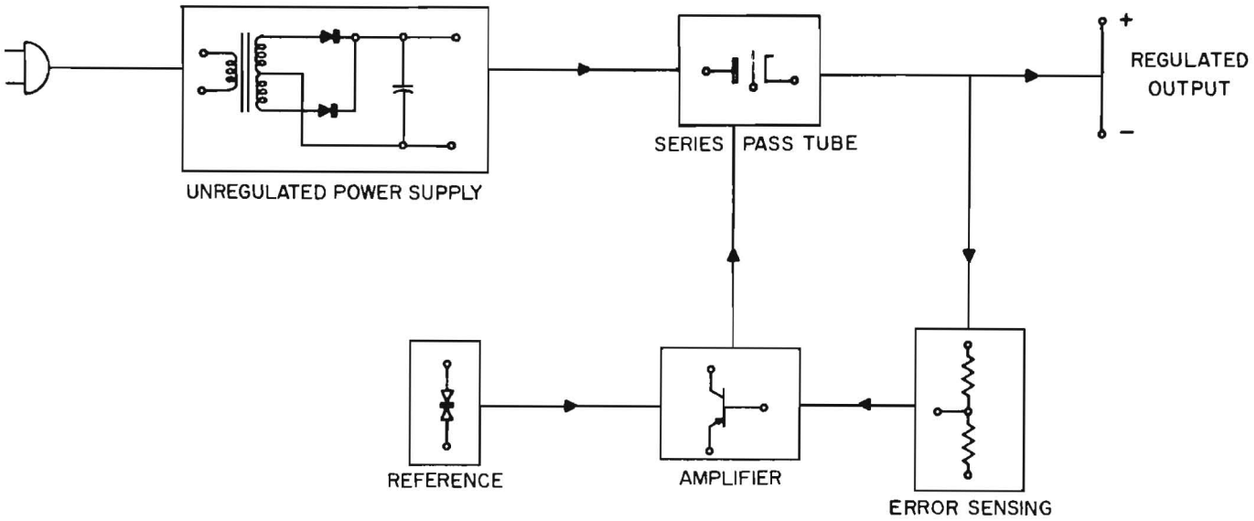
COLOR:
Gray hammertone. Special finishes available.

VERSATILITY FEATURES:

Suitable for square wave pulsed loading. Two units may be series connected. Ideal for bench or rack use.

AC OUTPUT:
Twin unregulated 6.5 V AC filament supplies may be series connected for 13 volts at 6 amps or paralleled for 6.5 volts at 12 amps. These outputs are isolated from the chassis and DC output.

REMOTE DC OUTPUT ON-OFF CONTROL:
Convenient for "Master" control panel set-up with power supplies sequentially operated.



PANEL HEIGHT 3½"

for maximum performance in minimum space

SPECIAL FEATURES:

EFFICIENT SPACE UTILIZATION:
One HB-6 can deliver more than 200 watts. This means twice as much power in the same rack space as a comparable vacuum tube power supply.

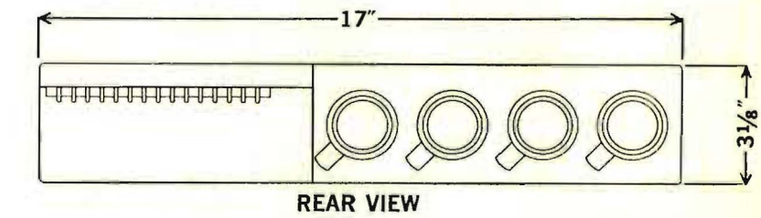
UNIQUE DESIGN:
achieves high efficiency by utilizing transistorized reference and amplification circuitry for optimum regulation, stability and long life, plus tube series pass elements for reliable high voltage operation.

COMPONENT ACCESSIBILITY:
Modular control unit and resistor board construction. Series pass tubes conveniently located at the rear of the unit.

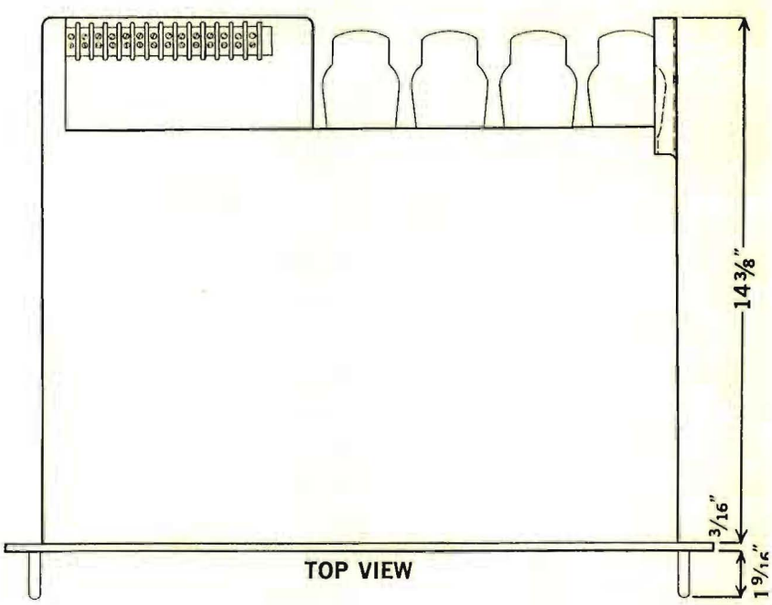
SILICON RECTIFIERS:
For high efficiency and reliability.

FUSE PROTECTION:
Input and output separately fused.

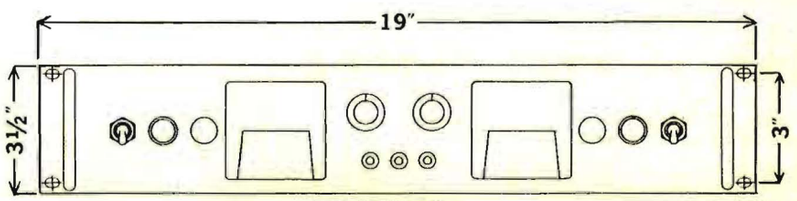
RECOVERY TIME:
50 microseconds.



REAR VIEW



TOP VIEW



FRONT VIEW

TRANSISTORIZED SR GROUP

voltage regulated power supplies

0.1% REGULATION AND STABILITY		
MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT
SR12-50	5-13 VDC	50 Amps.
SR28-50	24-32 VDC	50 Amps.
SR48-30	44-52 VDC	30 Amps.

SPECIFICATIONS:

REGULATION:
LINE: 0.1% for line changes ±10% VAC, at any voltage in the specified output range.
LOAD: 1% for load changes from 0 to maximum, at any voltage in the specified range.

STABILITY:
0.1% for 24 hours.

TRANSIENT CHARACTERISTICS:
LINE: The output voltage will remain within the regulation specification for 20% step line voltage change.
LOAD: The output voltage will remain within regulation specification for 100% step load-off change and 50% step load-on change.
For 100% step load-on change, the output voltage drop is less than 1.5 volts for 30 milliseconds.

RIPPLE:
Less than 1%.

TEMPERATURE COEFFICIENT:
Less than 0.05% per °C.

AMBIENT OPERATING TEMPERATURE:
—20°C. to +50°C.

STORAGE TEMPERATURE:
—40°C to +85°C

INPUT REQUIREMENTS:
208/220 VAC, 60 cps, 3 phase, 4 wire, wye.

DIMENSIONS:
H: 8¾" x W: 19" x D: 20" behind panel.

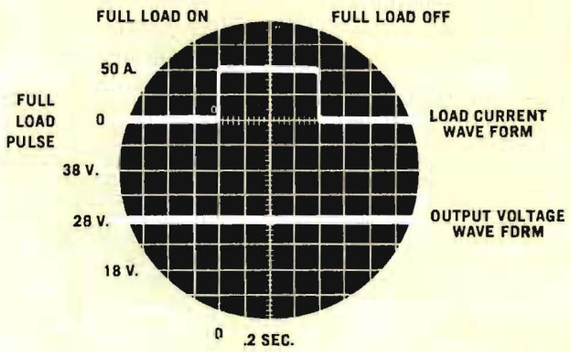
METERS:
Voltmeter and ammeter standard equipment for each model in this design group.

COLOR:
Gray hammertone (special finishes to order).

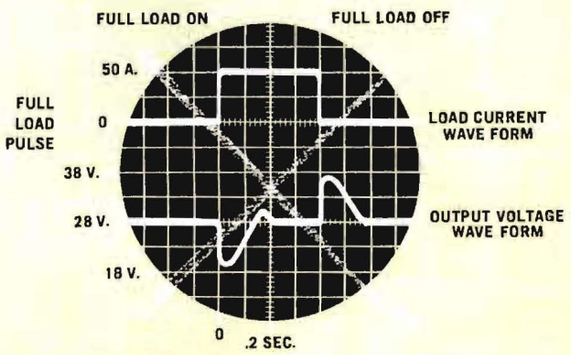
OUTPUT CONTROL:
Continuously variable, locking type, screw driver adjustment on rear of unit.

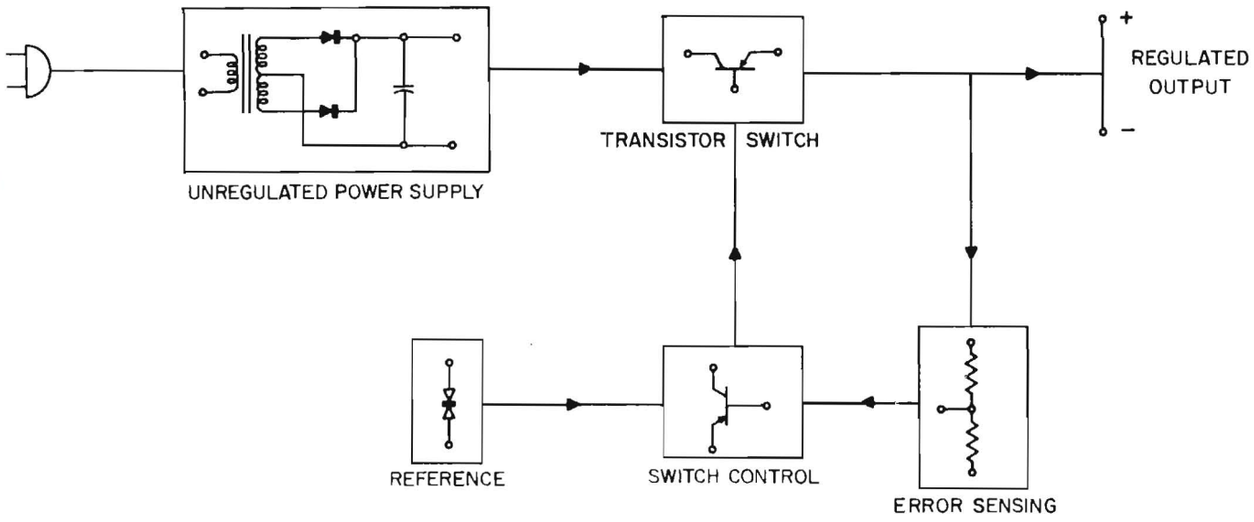
ELIMINATES TRANSIENTS

THE KEPCO SR28-50



BEST "EQUIVALENT" MAGNETIC AMPLIFIER UNITS





FEATURES:

8¾" PANEL HEIGHT:
Significant size reduction from magnetic standards, transistorized compactness.

FULLY TRANSISTORIZED:
Special design enables high current operation with series regulating transistors.

NO MAGNETIC AMPLIFIERS:
Kepco design eliminates transient overshoot.

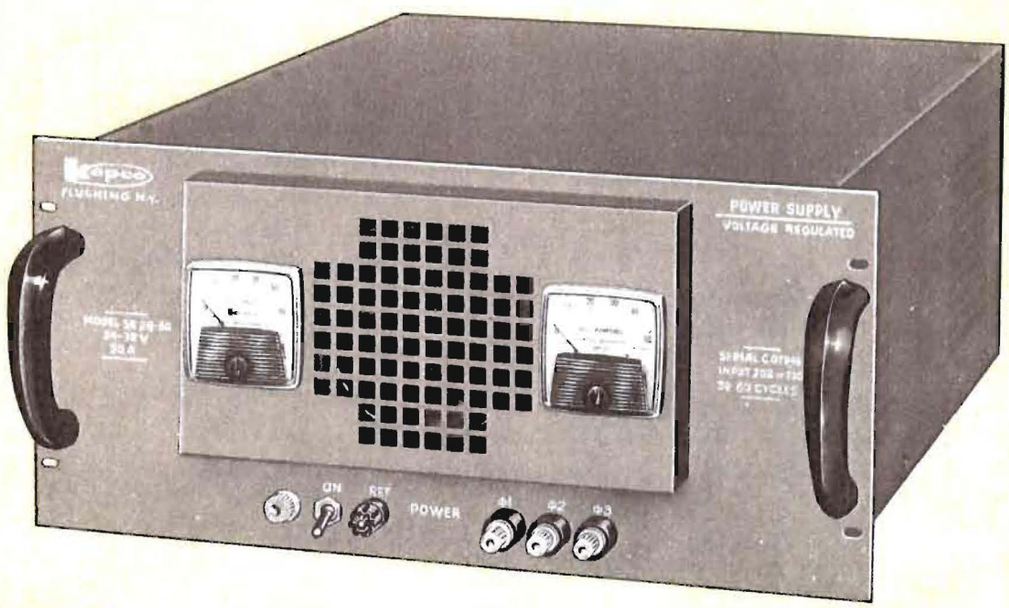
SILICON RECTIFIERS:

TERMINATIONS:
All terminals are clearly marked and isolated from the chassis. Either positive or negative terminal may be grounded.

PLUG-IN REFERENCE AMPLIFIER:
Zener diode reference.

SHORT CIRCUIT PROTECTION:
Unit will operate without damage with output shorted. Current automatically limited to safe value.

EFFICIENCY:
Greater than 60%.



Kepco inc.

VACUUM TUBE KR GROUP

voltage regulated power supplies

0.1% REGULATION AND STABILITY

1.5 AMP. KR SERIES

MODEL	DC OUTPUT VOLTS	REGULATION LOAD 0-MAX. % or ΔV		REGULATION LINE 105-125 % or ΔV		RIPPLE (RMS)	OUTPUT Z OHMS DC-100KC	6.3V AC Unregulated	RACK MOUNT W	H	D*
KR16	0-150	0.1	0.2V	0.1	0.2V	3 mv.	0.1	Each Supply	19″	12¼″	17″
KR17	100-200	0.1	0.2V	0.1	0.2V	3 mv.	0.1	has two	19″	12¼″	17″
KR18	195-325	0.06	0.2V	0.06	0.2V	3 mv.	0.1	15 Amp.	19″	12¼″	17″
KR19	295-450	0.04	0.2V	0.04	0.2V	3 mv.	0.1	Outputs	19″	12¼″	17″

600 Ma. KR SERIES

MODEL	DC OUTPUT VOLTS	REGULATION LOAD 0-MAX. % or ΔV		REGULATION LINE 105-125 % or ΔV		RIPPLE (RMS)	OUTPUT Z OHMS DC-100KC	6.3V AC Unregulated	RACK MOUNT W	H	D*
KR8	0-150	0.1	0.2V	0.1	0.2V	3 mv.	0.3	Each Supply	19″	10½″	13″
KR5	100-200	0.1	0.2V	0.1	0.2V	3 mv.	0.3	has two	19″	10½″	13″
KR6	195-325	0.06	0.2V	0.06	0.2V	3 mv.	0.3	10 Amp.	19″	10½″	13″
KR7	295-450	0.04	0.2V	0.04	0.2V	3 mv.	0.3	Outputs	19″	10½″	13″

300 Ma. KR SERIES

MODEL	DC OUTPUT VOLTS	REGULATION LOAD 0-MAX. % or ΔV		REGULATION LINE 105-125 % or ΔV		RIPPLE (RMS)	OUTPUT Z OHMS DC-100KC	6.3V AC Unregulated	RACK MOUNT W	H	D*
KR12	0-150	0.1	0.2V	0.1	0.2V	3 mv.	0.5	Each Supply	19″	7″	11″
KR3	100-200	0.1	0.2V	0.1	0.2V	3 mv.	0.5	has two	19″	7″	11″
KR4	195-325	0.06	0.2V	0.06	0.2V	3 mv.	0.5	5 Amp.	19″	7″	11″
KR10	295-450	0.04	0.2V	0.04	0.2V	3 mv.	0.5	Outputs	19″	7″	11″

125 Ma. KR SERIES

MODEL	DC OUTPUT VOLTS	REGULATION LOAD 0-MAX. % or ΔV		REGULATION LINE 105-125 % or ΔV		RIPPLE (RMS)	OUTPUT Z OHMS DC-100KC	6.3V AC Unregulated	RACK MOUNT W	H	D*
KR11	0-150	0.1	0.2V	0.1	0.2V	3 mv.	0.9	Each Supply	19″	7″	11″
KR1	100-200	0.1	0.2V	0.1	0.2V	3 mv.	0.9	has one	19″	7″	7½″
KR2	195-325	0.06	0.2V	0.06	0.2V	3 mv.	0.9	3 Amp.	19″	7″	7½″
KR9	295-450	0.04	0.2V	0.04	0.2V	3 mv.	0.9	Output	19″	7″	7½″

*Depth behind panel

SPECIFICATIONS:

REGULATION:

See table for Line and Load specifications. % regulation shown in table is the maximum value at the highest voltage in specified output range. ΔV represents the maximum absolute value of output voltage variation due to the specified line or load changes at any voltage in the specified output range.

STABILITY:

Less than regulation specification over a period of 8 hours, after warm-up.

RIPPLE:

Less than 0.003 volt RMS.

OUTPUT IMPEDANCE:

See table for *maximum* specification of each model.

AMBIENT OPERATING TEMPERATURE:

50°C. maximum.

TEMPERATURE COEFFICIENT:

Output voltage changes less than 0.01% per °C.

TERMINATIONS AND CONTROLS:

On front panel:—AC input on-off switch, pilot light. DC output on-off switch, pilot light. Voltage control (only on Models KR16, 17, 18, 19).

On rear of unit:—DC output terminations, AC output terminations, voltage control.

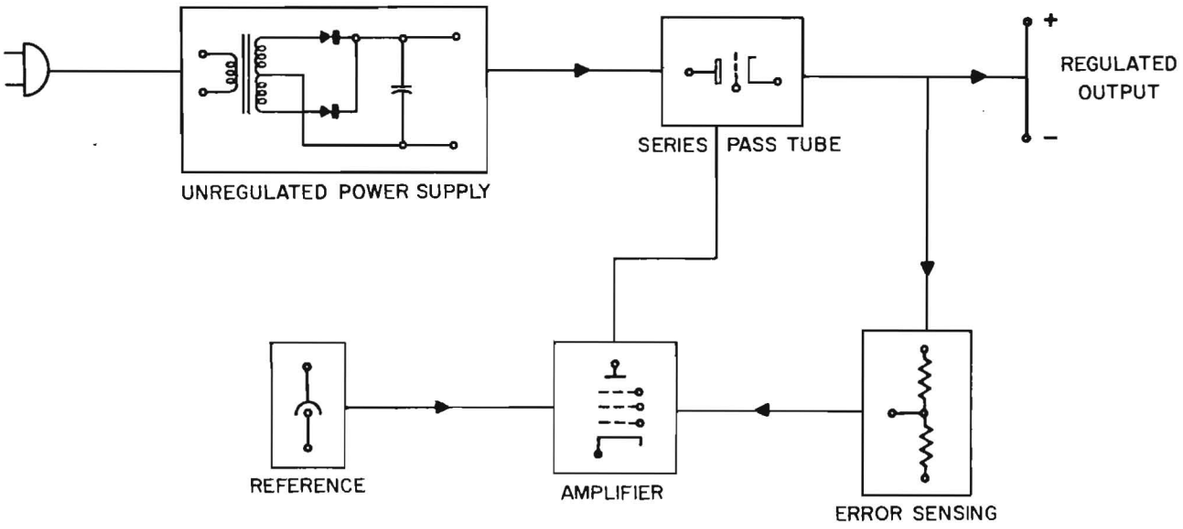
Output terminals are isolated from chassis.

AC POWER REQUIREMENTS:

105-125 volts, 50-65 cycles (400 cycle units available).

COLOR:

Gray hammertone (special finishes to order).



Model KR-1C

Model KR-4

FEATURES:

- Continuously variable output voltage control. No switching.
- Either positive or negative output terminals may be grounded.
- Recovery time: 50 microseconds. Suitable for square wave pulsed loading.
- Wire harness and resistor board construction.
- Oil filled capacitors.
- Designed for rack mounting.
- All models may be obtained with remote output voltage control on special order.
- All models may be obtained for 400 cycle operation on special order.

Model KR-8M

ORDERING INFORMATION

• Units for rack mounting without meters—use Model Nos. indicated in tables • To include 3" meters—add M to Model No. (e.g. KR1-M) • To include cover and handles add C to Model No. (e.g. KR1-C) • To include Meters, cover and handles, add MC to Model No. (e.g. KR-1-MC).

Model KR-16MC

Kepco inc.

VACUUM TUBE WIDE RANGE

voltage regulated power supplies

Model 800B

REGULATION AND STABILITY TO 0.01%

MODEL	DC OUTPUT VOLTS	DC OUTPUT CURRENT	REGULATION LOAD 0-MAX. %	REGULATION LOAD 0-MAX. ΔV	REGULATION LINE 105-125 %	REGULATION LINE 105-125 ΔV	RIPPLE (RMS)	OUTPUT Z OHMS DC-100KC	6.3V AC CT Unreg.	RACK MOUNT W	RACK MOUNT H	RACK MOUNT D•
800B	#1 0-600	0-200 ma.	0.01	0.1V	0.02	0.2V	3 mv.	0.5	10 Amp.	19"	12¼"	17"
	#2 0-600	0-200 ma.	0.01	0.1V	0.02	0.2V	3 mv.	0.5	10 Amp.			
	Parallel 1 & 2 0-600	0-400 ma.	0.01	0.1V	0.02	0.2V	3 mv.	0.2				
	Series 1 & 2 0-1200	0-200 ma.	0.01	0.1V	0.02	0.3V	5 mv.	0.5				
430D	#1 0-450	0-300 ma.	0.02	0.1V	0.04	0.2V	3 mv.	0.3	10 Amp.	19"	12¼"	17"
	#2 0-450	0-300 ma.	0.02	0.1V	0.04	0.2V	3 mv.	0.3	10 Amp.			
	Parallel 1 & 2 0-450	0-600 ma.	0.02	0.1V	0.04	0.2V	3 mv.	0.2				
	Series 1 & 2 0-900	0-300 ma.	0.01	0.1V	0.03	0.3V	5 mv.	0.3				
2400B	#1 0-400	0-150 ma.	0.02	0.1V	0.04	0.2V	3 mv.	0.5	10 Amp.	19"	10½"	17"
	#2 0-400	0-150 ma.	0.02	0.1V	0.04	0.2V	3 mv.	0.5	10 Amp.			
	#3 0-150 Bias	0-5 ma.	*	*	0.007	*	1 mv.	*				
	Parallel 1 & 2 0-400	0-300 ma.	0.02	0.1V	0.04	0.2V	3 mv.	0.3				
	Series 1 & 2 0-800	0-150 ma.	0.01	0.1V	0.03	0.3V	5 mv.	0.5				
103✧	#1 0-300	0-75 ma.	Common B- Isolated from #1 & #2		Unregulated		30 mv.		5 Amp.	16"	8"	8"
	#2 0-300	0-75 ma.					30 mv.					
	#3 -50 to + 50	0-5 ma.					10 mv.			Available with Rack Adapter RA-1 8¾" H x 19" W		
	Parallel 1 & 2 0-300	0-150 ma.					30 mv.					

•Depth behind panel

FEATURES:

- Continuously variable output voltage control. No switching.
- Fast recovery time; suitable for square wave pulsed loading.
- Either positive or negative DC output terminal may be grounded.
- Wire harness and resistor board construction.
- Voltmeter and ammeter standard equipment except for models 103, and 2500.
- All models may be obtained with remote output voltage control, on special order.
- All models may be obtained for 400 cycle operation, on special order.
- All chassis are designed to mount directly into a standard 19" wide relay rack. Also suitable for bench use.

SPECIFICATIONS:

REGULATION:
See table for specifications applicable to each model.
% regulation shown is the maximum value at the highest voltage in the specified output range.
ΔV represents the maximum magnitude of output voltage variation due to specified line or load changes.

STABILITY:
Less than regulation specification over a period of 8 hours, after warm-up.

OUTPUT IMPEDANCE:
See table for maximum specification applicable to each model.

RIPPLE:
See table for maximum specification applicable to each model.

RECOVERY TIME:
50 microseconds.

AMBIENT OPERATING TEMPERATURE:
50°C maximum.

TEMPERATURE COEFFICIENT:
Output voltage changes less than 0.01% per °C.

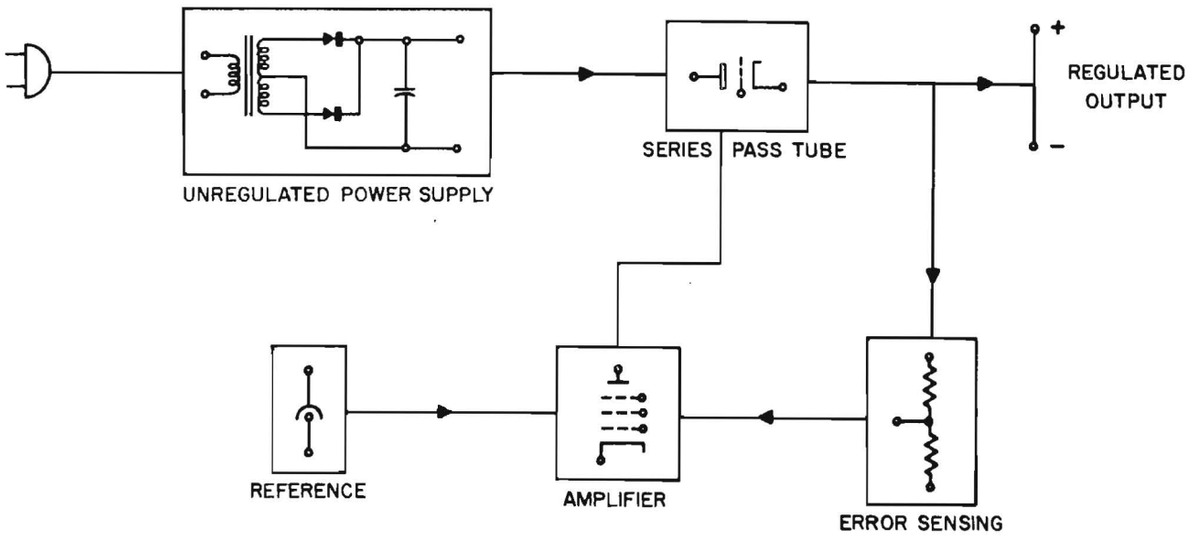
TERMINATIONS AND CONTROLS:
On front panel:—AC and DC output terminations, AC input on-off switch, pilot light, DC output on-off switch, pilot light, Voltage controls.
For models 2400B, 2500, terminations on rear only.
On rear of unit:—AC and DC output terminations. Output terminals are clearly marked and isolated from the chassis.

AC POWER REQUIREMENTS:
105-125 volts, 50-65 cycles. (Model 2500 requires 60 cycles.)

COLOR:
Gray hammertone (special finishes to order).

***REGULATION FOR BIAS VOLTAGE:**
In the range 0 to 150 volts the output voltage variation is less than 0.007% for line fluctuation from 105 to 125 volts. At 150 volts the output voltage variation is less than ½% for load variation from 0 to 5 MA. At settings below 150 volts the internal resistance of the supply will increase to a maximum of 25,000 ohms.

✧These units are supplied in cabinets. The chassis, when removed from their cabinets, will mount directly into a standard 19" width relay rack. All units are designed for relay rack mounting or bench use.



REGULATION AND STABILITY TO **0.004%**
HIGH VOLTAGE POWER SUPPLIES

MODEL	DC OUTPUT VOLTS	DC OUTPUT CURRENT	REGULATION LOAD 0-MAX. % or ΔV		LINE 105-125 % or ΔV		RIPPLE (RMS)	OUTPUT Z OHMS DC-100KC	6.3V AC CT Unreg	RACK MOUNT W	H	D•
2500	0-2500	0-50 ma.	0.004	0.1V	0.008	0.2V	5 mv.	0.5		19"	12¼"	17"
1520B◇	0-1500	0-200 ma.	0.006	0.1V	0.01	0.2V	3 mv.	0.5		19"	21"	13"
1220C	0-1200	0-50 ma.	0.01	0.1V	0.02	0.2V	3 mv.	0.5	10 Amp.	19"	10½"	13"
1250B◇	0-1000	0-500 ma.	0.01	0.1V	0.02	0.2V	3 mv.	0.2		19"	26¼"	13"


Model 1220C

REGULATION AND STABILITY TO **0.01%**
0-600 VOLT POWER SUPPLIES

MODEL	DC OUTPUT VOLTS	DC OUTPUT CURRENT	REGULATION LOAD 0-MAX. % or ΔV		LINE 105-125 % or ΔV		RIPPLE (RMS)	OUTPUT Z OHMS DC-100KC	6.3V AC CT Unreg	RACK MOUNT W	H	D•
780B◇	0-600	0-3 Amp.	0.01	0.1V	0.02	0.2V	3 mv.	0.03		19"	45½"	17"
770B◇	0-600	0-2.25 Amp.	0.01	0.1V	0.02	0.2V	3 mv.	0.04		19"	45½"	17"
760B◇	0-600	0-1.5 Amp.	0.01	0.1V	0.02	0.2V	3 mv.	0.06		19"	31½"	17"
750B◇	0-600	0-750 ma.	0.01	0.1V	0.02	0.2V	3 mv.	0.1		19"	26¼"	13"
605	0-600 0-150 Bias	0-500 ma. 0-5 ma.	0.01 *	0.1V *	0.02 0.007	0.2V *	3 mv. 1 mv.	0.2 *	20 Amp.	19"	10½"	17"
615B	0-600 0-150 Bias	0-300 ma. 0-5 ma.	0.01 *	0.1V *	0.02 0.007	0.2V *	3 mv. 1 mv.	0.3 *	10 Amp.	19"	10½"	13"


Model 605

REGULATION AND STABILITY TO **0.02%**
0-400 VOLT POWER SUPPLIES

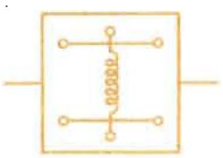
MODEL	DC OUTPUT VOLTS	DC OUTPUT CURRENT	REGULATION LOAD 0-MAX. % or ΔV		LINE 105-125 % or ΔV		RIPPLE (RMS)	OUTPUT Z OHMS DC-100KC	6.3V AC CT Unreg	RACK MOUNT W	H	D•
400B	0-400 0-150 Bias	0-150 ma. 0-5 ma.	0.02 *	0.1V *	0.04 0.007	0.2V *	3 mv. 1 mv.	0.5 *	10 Amp.	19"	7"	11"
730B◇	0-350	0-3 Amp.	0.03	0.1V	0.06	0.2V	3 mv.	0.03		19"	26¼"	17"
720B◇	0-350	0-2.25 Amp.	0.03	0.1V	0.06	0.2V	3 mv.	0.04		19"	26¼"	17"
710B	0-350	0-1.5 Amp.	0.03	0.1V	0.06	0.2V	3 mv.	0.06		19"	12¼"	17"
700B	0-350	0-750 ma.	0.03	0.1V	0.06	0.2V	3 mv.	0.1		19"	10½"	13"


Model 400B

•Depth behind panel

MAGNETIC KM GROUP

voltage regulated power supplies



0.5% REGULATION AND STABILITY

MODEL	DC OUTPUT VOLTS	DC OUTPUT CURRENT	REGULATION LOAD 0-MAX. % or ΔV		REGULATION LINE 105-125 % or ΔV		RIPPLE RMS	RACK MOUNT W	H	D*
KM236-15A	0.1-36	0-15 Amp.	0.5	0.025	0.5	0.025	0.5% or 40 mv.	19″	12¼″	17″
KM236-30✧	0.1-36	0-30 Amp.	0.5	0.025	0.5	0.025	0.5% or 40 mv.	19″	26¼″	17″
KM236-50✧	0.1-36	0-50 Amp.	0.5	0.025	0.5	0.025	0.5% or 40 mv.	19″	36¾″	17″

Patent Pending

*Depth behind panel

Model KM236-15A

SPECIFICATIONS:

REGULATION:

LINE: Less than 0.5% or 0.025 volt, whichever is greater, for line changes 105-125 volts at any voltage in the specified output range.

LOAD: Less than 0.5% or 0.025 volt, whichever is greater, for load changes from 0 to maximum, at any voltage in the specified output range.

STABILITY:

Less than 0.5% or 25 millivolts RMS, whichever is greater, over a period of 8 hours, after warm-up.

RIPPLE:

Less than 0.5% or 40 millivolts RMS, whichever is greater.

AMBIENT OPERATING TEMPERATURE:

50°C maximum.

TEMPERATURE COEFFICIENT:

Output voltage changes less than 0.05% per °C.

POWER REQUIREMENTS:

KM236-15A, KM236-30: 105-125 volts, 57-63 cycles. KM236-50: 208 volts ±10%, or 230 volts ±10%, 57-63 cycles, single phase.

RECOVERY TIME:

0.2 second. Output voltage within 0.5% during recovery time for line transients 105-125 volts.

TERMINATIONS AND CONTROLS:

On front panel:—DC output terminations and ground (except on KM-236-50), DC output on-off switch, pilot light, AC input on-off switch, pilot light, Coarse and fine voltage controls.

On rear of unit:—DC output terminations and ground. Remote error signal terminations.

Output terminals are clearly marked and isolated from chassis. Either positive or negative terminal may be grounded.

METERS:

Voltmeter and Ammeter standard for all models in this design group.

COLOR:

Gray hammertone (special finishes to order).

✧These units are supplied in cabinets.

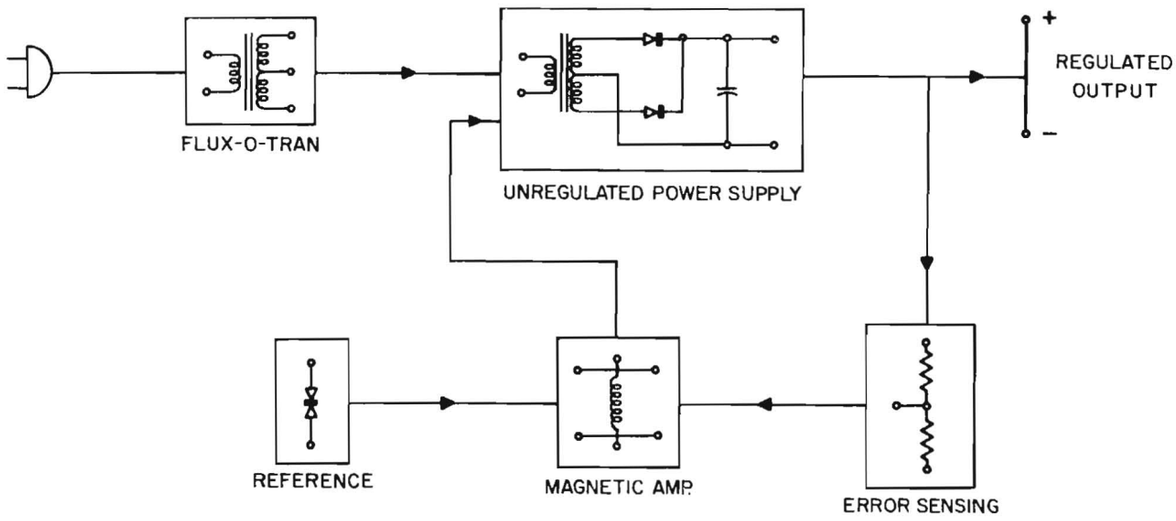
FEATURES:

REMOTE ERROR SIGNAL SENSING:

Special terminations enable regulation to be maintained directly at the load by providing a means of compensating for voltage drops across the load supply leads.

OVERLOAD PROTECTION:

An automatic current limiting device allows direct shorting of the output terminals without damage to the supply.



SPECIFICATIONS:

REGULATION:

LINE: Less than ±1% for line changes 100-130 volts at any voltage in the specified output range.

LOAD: At any voltage in the specified output range the load regulation can be optimized to within ±1% by means of a control adjustment on the front panel.

STABILITY:

Less than ±1% over a period of 8 hours, after warm-up.

RIPPLE:

See table for specification of each model.

AMBIENT OPERATING TEMPERATURE:

50°C maximum.

TEMPERATURE COEFFICIENT:

Output voltage changes less than ± 0.1% per °C.

POWER REQUIREMENTS:

100-130 volts, 60 cycles.

TERMINATIONS AND CONTROLS:

On front panel: DC output terminations and ground, AC input on-off switch, pilot light, output voltage control (continuously variable). Load regulation control.

On rear of unit: DC output terminations and ground, remote error signal terminations.

Output terminals are clearly marked and isolated from chassis. Either positive or negative terminal may be grounded.

RECOVERY TIME:

0.3 second. Output voltage within ±1% during recovery time for line transients 105-125 volts.

FEATURES:

REMOTE ERROR SIGNAL SENSING:

Special terminations enable regulation to be maintained directly at the load by providing a means of compensating for voltage drops across the load supply leads.

OVERLOAD PROTECTION:

An automatic current limiting device allows direct shorting of the output terminals without damage to the supply.

±1% REGULATION AND STABILITY

MODEL	DC OUTPUT VOLTS (Continuously Variable)	MAXIMUM DC OUTPUT				RIPPLE % RMS	DIMENSIONS		
		IN RANGE	MAX. AMPS.	IN RANGE	MAX. WATTS		W	H	D*
KM-251	2-14	2-8 VDC	30	8-14 VDC	240	0.5	19″	7″	13″
KM-252	5-35	5-20 VDC	12	20-35 VDC	240	0.1	19″	7″	13″
KM-253	20-60	20-40 VDC	6	40-60 VDC	240	0.05	19″	7″	13″
KM-254	30-90	30-60 VDC	4	60-90 VDC	240	0.04	19″	7″	13″
KM-255	60-180	60-120 VDC	2	120-180 VDC	240	0.03	19″	7″	13″

*Depth behind panel

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INDEX

to voltage regulated power supplies according to OUTPUT VOLTAGE

Specifications are subject to change without notice.

DC OUTPUT VOLTS	DC OUTPUT AMPS.	MODEL	PAGE
0- 7.5	0-2	PSC- 5-2	10-11
7.5-12.5	0-2	PSC-10-2	10-11
5-13	0-50	SR-12-50	14-15
2-14	30A or 240 watts	KM-251	21
12.5-17.5	0-2	PSC-15-2	10-11
0-18	0-0.5	SC-18-0.5	8-9
0-18	0-1	SC-18-1	8-9
0-18	0-2	SC-18-2	8-9
0-18	0-4	SC-18-4	8-9
17.5-22.5	0-2	PSC-20-2	10-11
24-32	0-50	SR-28-50	14-15
0-32	0-0.5	SC-32-0.5	6-7
0-32	0-1	SC-32-1	6-7
0-32	0-1.5	SC--32-1.5	6-7
0-32 dual output	0-1.5	2SC-32-1.5	6-7
0-32	0-2.5	SC-32-2.5	6-7
0-32	0-5	SC-32-5	6-7
0-32	0-10	SC-32-10A	6-7
0-32	0-15	SC-32-15A	6-7
22.5-32.5	0-1	PSC-28-1	10-11
5-35	12A or 240 watts	KM-252	21
0-36	0-0.5	SC-36-0.5	8-9
0-36	0-1	SC-36-1	8-9
0-36	0-2	SC-36-2	8-9
0.1-36	0-15	KM-236-15A	20
0.1-36	0-30	KM-236-30	20
0.1-36	0-50	KM-236-50	20
32.5-42.5	0-1	PSC-38-1	10-11
44-52	0-30	SR-48-30	14-15
0-60	0-2	SC-60-2	6-7

DC OUTPUT VOLTS	DC OUTPUT AMPS.	MODEL	PAGE
0-60	0-5	SC-60-5	6-7
20-60	6A or 240 watts	KM-253	21
36-72	0-0.5	SC-3672-0.5	8-9
36-72	0-1	SC-3672-1	8-9
30-90	4A or 240 watts	KM-254	21
dual output 0-100	0-0.2	2SC-100-0.2	6-7
0-150	0-1	SC-150-1	6-7
0-150	0-1.5	KR-16	16-17
0-150	0-0.6	KR-8	16-17
0-150	0-0.3	KR-12	16-17
0-150	0-0.125	KR-11	16-17
60-180	2A or 240 watts	KM-255	21
100-200	0-1.5	KR-17	16-17
100-200	0-0.6	KR-5	16-17
100-200	0-0.3	KR-3	16-17
100-200	0-0.125	KR-1	16-17
unregulated 0-300	0-0.15	103	18-19
0-300	0-1	SC-300-1	6-7
0-325	0-0.2	HB-2	12-13
0-325	0-0.4	HB-4	12-13
0-325	0-0.6	HB-6	12-13
195-325	0-1.5	KR-18	16-17
195-325	0-0.6	KR-6	16-17
195-325	0-0.3	KR-4	16-17
195-325	0-0.125	KR-2	16-17
0-350	0-3	730B	18-19
0-350	0-2.25	720B	18-19
0-350	0-1.5	710B	18-19
0-350	0-0.750	700B	18-19
0-400 0-150 bias	0-0.150 0-0.005	multiple output 400B	18-19
0-400 0-400 0-150 bias	0-0.150 0-0.150 0-0.005	multiple output 2400B	18-19
295-450	0-1.5	KR-19	16-17
295-450	0-0.6	KR-7	16-17
295-450	0-0.3	KR-10	16-17
295-450	0-0.125	KR-9	16-17
0-450 0-450	0-0.3 0-0.3	multiple output 430D	18-19
0-600	0-3	780B	18-19
0-600	0-2.25	770B	18-19
0-600	0-1.5	760B	18-19
0-600	0-0.75	750B	18-19
0-600 0-150 bias	0-0.5 0-0.005	605	18-19
0-600 0-150	0-0.3 0-0.005	615B	18-19
0-600 0-600	0-0.2 0-0.2	multiple output 800B	18-19
0-1000	0-0.5	1250B	18-19
0-1200	0-0.05	1220C	18-19
0-1500	0-0.2	1520B	18-19
0-2500	0-0.05	2500	18-19

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131-38 SANFORD AVENUE • FLUSHING 55, N. Y.
IN 1-7000 • TWX # NY 4-5196

APRIL 1960

kepco

POWER SUPPLY PRICE SCHEDULE

TRANSISTORIZED DESIGN

SC — 0.01% MODELS
0.01% Regulation–Stability*

SC-32-0.5	$ 490.00
SC-32-1	550.00
SC-32-1.5	590.00
2SC-32-1.5 (Dual Output)	990.00
SC-32-2.5	650.00
SC-32-5	800.00
SC-32-10A	950.00
SC-32-15A	1,100.00
SC-60-2	790.00
SC-60-5	1,190.00
2SC-100-0.2 (Dual Output)	750.00
SC-150-1	790.00
SC-300-1	940.00

*Above 0.01% Transistorized units include voltage and current meters

SC — 0.1% MODELS
0.1% Regulation–Stability°°

SC-18-0.5	$ 225.00
SC-18-1	275.00
SC-18-2	325.00
SC-18-4	450.00
SC-36-0.5	275.00
SC-36-1	325.00
SC-36-2	465.00
SC-3672-0.5	350.00
SC-3672-1	595.00

°° When ordering 0.1% Transistorized units without meters use Model Numbers and prices indicated in table. To include meters add M to the Model No. (e.g. SC-18-1-M) and add $30.00 to price.

RACK ADAPTER:
RA-2 (for two units) $15.00
RA-3 (for one unit) 15.00

PSC — 0.02% MODELS
0.02% Regulation – Stability
Compact Package Type

PSC-5-2	$ 395.00
PSC-10-2	395.00
PSC-15-2	395.00
PSC-20-2	395.00
PSC-28-1	395.00
PSC-38-1	395.00

TRANSISTORIZED DESIGN

HB — 0.1% MODELS
0.1% Regulation–Stability

HB 6	$ 365.00
HB 4	320.00
HB 2	265.00

HB — 0.01% MODELS
0.01% Regulation–Stability

HB 60	$ 565.00
HB 40	520.00
HB 20	465.00

Above prices for unmetered units. For metered HB units, add "M" to Model No. and $30.00 to price.

SR — 0.1% MODELS
0.1% Regulation – Stability

SR 12-50	$1,950.00
SR 28-50	1,950.00
SR 48-30	1,950.00

SM — 0.1% MODELS
0.1% Regulation — Stability

SM 14-30	$895.00
SM 36-15	825.00
SM 75-8	875.00
SM 160-4	895.00
SM 325-2	875.00

Above prices for unmetered units. For metered SM units, add "M" to Model No. and $30.00 to price. For 0.01% Regulation units, add "X" to Model No. and $200.00 to price.

MAGNETIC DESIGN

KM 236 MODELS
0.5% Regulation – Stability†

KM236-15A	$ 740.00
KM236-30	1,290.00
KM236-50	2,250.00

KM 250 MODELS
±1% Regulation – Stability†

KM-251	$ 590.00
KM-252	590.00
KM-253	590.00
KM-254	590.00
KM-255	590.00

†Above magnetic units include voltage and current meters.

ALL PRICES NET F.O.B. FLUSHING, N. Y.
Prices subject to change without notice.

VACUUM TUBE DESIGN

KR MODELS

KR1	$ 90.00
KR2	90.00
KR3	180.00
KR4	180.00
KR5	240.00
KR6	240.00
KR7	250.00
KR8	330.00
KR9	97.00
KR10	190.00
KR11	180.00
KR12	270.00
KR16	625.00
KR17	625.00
KR18	695.00
KR19	695.00

PRICES ON KR UNITS ARE FOR RACK MOUNTING WITHOUT METERS.

To include 3" current and voltage meters, add M to Model number (e.g. KR1-M) and add $30.00 to the price.

To include dust cover and handles for table mounting, add C to Model number (e.g. KR1-C) and add $10.00 to the price.

To include meters, dust cover and handles, add MC to Model number (e.g. KR1-MC) and add $40.00 to the price.

WIDE RANGE MODELS

103	$ 129.00
400B	270.00
430D	675.00
605	425.00
615B	355.00
700B	690.00
710B	1,120.00
720B	1,600.00
730B	2,080.00
750B	795.00
760B	1,330.00
770B	1,900.00
780B	2,470.00
800B	575.00
1220C	465.00
1250B	650.00
1520B	695.00
2400B	540.00

Above wide range units contain voltage and current meters except Model 103.

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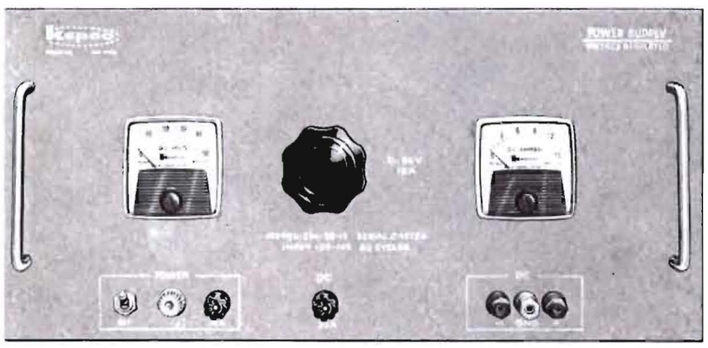
UP TO 30 AMPS. DC
AT 14 VOLTS

UP TO 325 VOLTS DC
AT 2 AMPS.



TRANSISTORIZED POWER SUPPLIES IN A NEW HIGH POWER RANGE

- Line/Load regulation, Stability: Less than 0.1%.*
- Output Voltage control continuously variable from 0 to maximum.
- Inherent protection against damage from overload.
- Moderately priced.

*0.01% REGULATION ON SPECIAL ORDER

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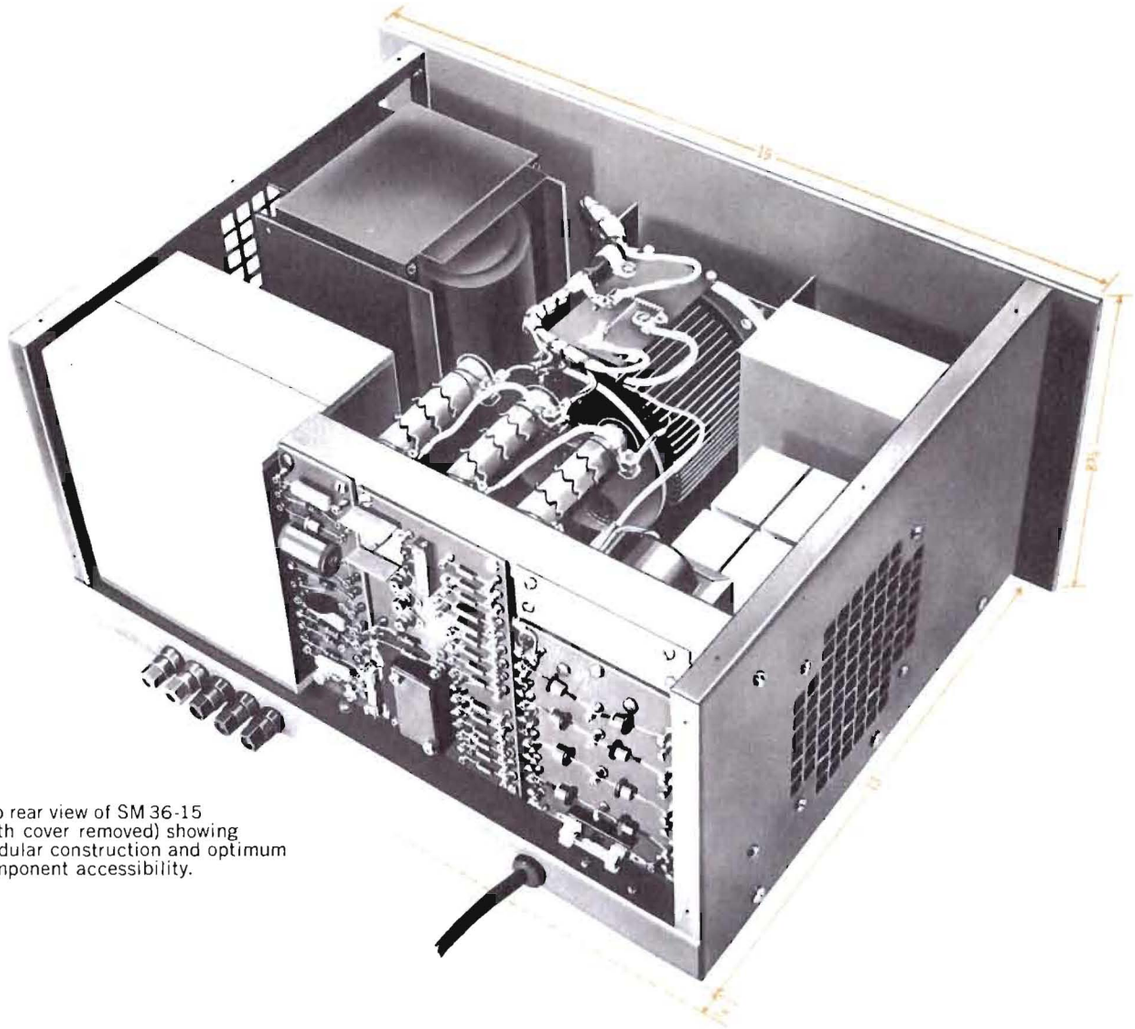
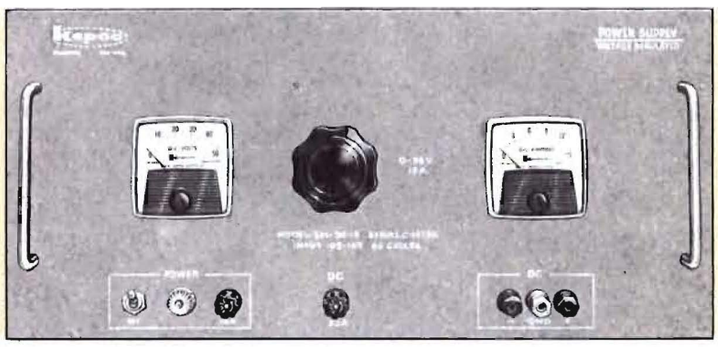
kepco efficient transist



Top rear view of SM 36-15 (with cover removed) showing modular construction and optimum component accessibility.

A power supply design that shuns brute force and realizes new efficiency and simplicity for higher D C power levels



Front panel view of SM 36-15

tor regulated DC at higher power levels

SPECIFICATIONS:

REGULATION:

LINE: 0.1% for 105-125 volt line change at any output voltage in the specified range.
LOAD: 0.1% or absolute value (△V) shown in table, whichever is greater.

STABILITY:

0.1% or 0.006 volts whichever is greater over a period of 8 hours.

RIPPLE:

1 millivolt rms.

TEMPERATURE COEFFICIENT:

Output voltage change less than 0.05% per °C.

RECOVERY TIME:

50 microseconds.

OUTPUT IMPEDANCE:

See table for maximum specifications of each model.

AMBIENT OPERATING TEMPERATURE:

50°C maximum. Unit turns off automatically when over-temperature occurs.

POWER REQUIREMENTS:

105-125 V AC, 60 cps.

DIMENSIONS:

8¾" H x 19" W x 13⅞" D (behind panel)

FEATURES:

WIDE CURRENT & VOLTAGE RANGES:

Transistor regulated, no magnetic amplifiers, no vacuum tubes.

INHERENT OVERLOAD PROTECTION:

Automatically reduces dissipation requirements of pass elements during overload or short circuit.

REMOTE ERROR SIGNAL SENSING:

Provides means of maintaining specified regulation directly at the load.

TERMINALS:

On front panel—DC output and ground terminals, one turn voltage control, power ON-OFF toggle switch.
On rear of unit—DC output and ground terminals, remote error sensing terminals.

COLOR

Grey hammertone (special finishes available)

- High efficiency operation
- Exceptional operational simplicity. No optimizing controls, switches.
- Continuously variable output voltage.
- Either positive or negative output terminal may be grounded.
- Suitable for square wave or pulsed loading.
- Units may be series connected.
- Designed for bench or rack use.
- Meters optional. To specify meters, add "M" to model No.
- Moderately priced.

0.01% regulation may be obtained on special order, add "X" to model No. to specify 0.01% regulation.

MODEL	DC OUTPUT VOLTS	DC OUTPUT AMPS.	REGULATION* LOAD 0-MAX % or △V		105-125 LINE %	RIPPLE (RMS)	OUTPUT IMPEDANCE OHMS MAX. DC–1KC	1KC 100KC	DIMENSIONS W	H	D•
SM14-30	0-14	0-30	0.1	3 mv.	0.1	1 mv.	0.001	0.01	19"	8¾"	13⅞"
SM36-15	0-36	0-15	0.1	3 mv.	0.1	1 mv.	0.005	0.05	19"	8¾"	13⅞"
SM75-8	0-75	0-8	0.1	3 mv.	0.1	1 mv.	0.01	0.1	19"	8¾"	13⅞"
SM160-4	0-160	0-4	0.1	10 mv.	0.1	1 mv.	0.08	0.8	19"	8¾"	13⅞"
SM325-2	0-325	0-2	0.1	10 mv.	0.1	1 mv.	0.3	3.0	19"	8¾"	13⅞"

UP TO 30 AMPS. DC

UP TO 325 VOLTS DC

*0.01% REGULATION ON SPECIAL ORDER

•behind panel

KEPCO OFFERS MORE THAN 120 STANDARD VOLTAGE REGULATED POWER SUPPLIES COVERING A WIDE RANGE OF MAGNETIC, TRANSISTOR AND TUBE TYPES. MOST MODELS AVAILABLE FROM STOCK. SEND FOR BROCHURE.B-601

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