

# PAR SERIES

## DC POWER SUPPLIES



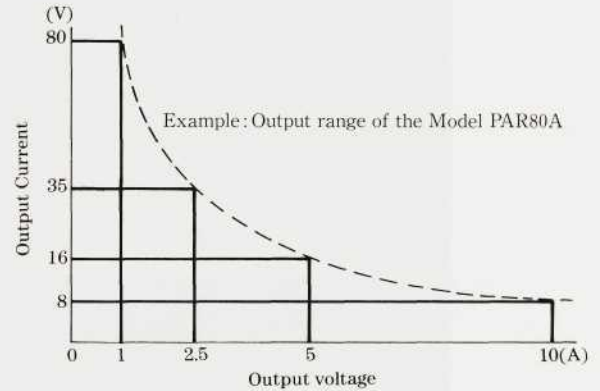
PAR Series give a wide range of coverage, normally possible with several units, by using a multi-range system

### PAR SERIES

- The large digital meters provide 4-1/2-digit display of external voltages and 3-1/2-digit current display for accurate output setting
- The merits of a series regulator system are used in the low-noise design to reduce the generation of internal noise and counteract EMI (electromagnetic interference).
- Output voltage and current can be controlled via a GPIB bus by using a DP02212A GPIB programmer. (The optional APO-R1 is required. )

## MULTI-RANGE SYSTEM

This wattage type, multi-range power supply provides an automatic step-wise adjustment of current in accordance with the voltage used. The Model PAR80A delivers 80 watts in 4 ranges and the Model PAR160A provides 160 watts in 3 ranges. This means that just one unit covers the output ranges of 3 or 4 conventional units. These compact, high performance instruments are especially useful in experiments and tests, research and inspections where a wide range of output is required.



## SPECIFICATIONS

Model	Output	Ripple		Line effect		Load effect		Power source		Weight kg/1bs
	CV/CC	CV	CC	CV	CC	CV	CC	INPUT		
	V/A	mVrms	mArms	mV	mA	mV	mA	AC	VA(*)	
PAR80A	4Ranges									9.2/20.3
	0-8/0-10	0.3	2	2	2	2	2	*	330	
	0-16/0-5									
	0-35/0-2.5									
0-80/0-1										
PAR160A	3Ranges									12/26.5
	0-16/0-10	0.3	2	2	2	3	2	*	450	
	0-35/0-5									
	0-80/0-2									

\*100(110, 120, 200, 220, 230, 240V on request)

## COMMON SPECIFICATIONS

- Output voltage**..... 10-turns for full scale
- Output current**..... 10-turns for full scale
- Output Terminals**..... Front panel: Binding post  
Back panel: Terminal board with sensing terminals
- Overload protection** ... Overload voltage protector (OVP) is builtin
- Operation**..... Series or parallel, single-control series or parallel operation
- Ambient temperature** .. 0 to 40°C
- Rack mounting**..... Can be mounted with rack mount frame
- \*Power consumption** . Measured at full load
- Dimensions(Max.)** .... PAR80A:  
138(147)Wx140(160)Hx350(395)Dmm  
PAR160A:  
138(147)Wx140(160)Hx400(445)Dmm

## OPTION <CONTROL BOARD: APO-R1 >

The following controls are possible by installing the APO-R1

- (1) Output voltage control using external voltage
- (2) Output voltage control using external resistor
- (3) Output voltage control using external voltage
- (4) Output voltage control using external resistor
- (5) Common convert function
- (6) One-control series operation: max.3 units.
- (7) One-control parallel operation: max.3 units.
- (8) Output current readout

