

MRR 1500, MRR 3000

The Multi-Operator Welding Rectifiers

RG 500 *The Current Regulator*



MRR 1500 / MRR 3000 Multi-Operator Rectifier will be a wise choice where a large number of welding points are in use. Different jobs require welding current of different value, at varying duty cycle and at different point of time. Such a **diversity in demand** enables the use of **Multi-Operator Rectifier** to feed large number of operators through individual regulators. This number can be seen from the attached curve a little study of which reveals that **investment cost per operator** in this case is less than that when **individual rectifier set per operator** is used.



MRR 1500 and MRR 3000 sets are **liberally designed** and manufactured with **quality materials** to give a long trouble free service both **indoors** and **outdoors**. Proper **protective relays** and **thermostats** are provided to prevent any damage in the **rectifier banks** and the **main transformer** due to prolonged thermal overload



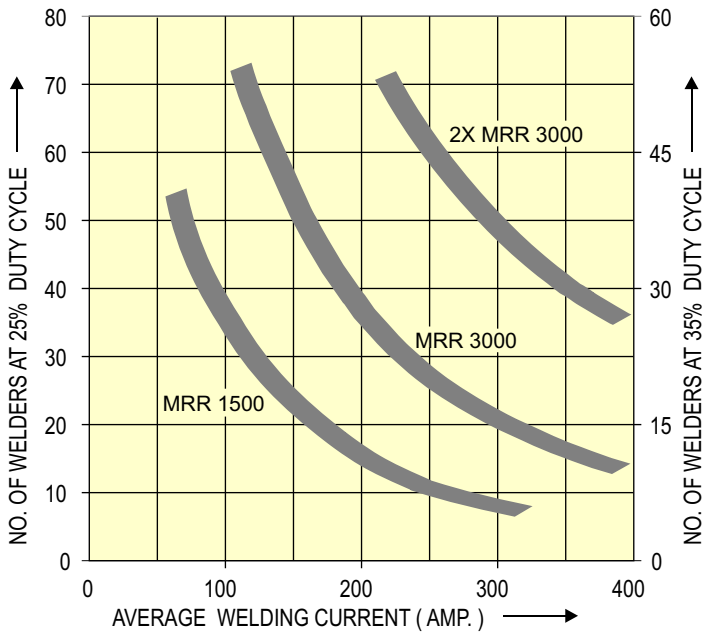
or momentary overload due to short-circuit. For proper functioning of the sets in an extreme **cold and humid** condition **heating elements** are provided inside the sets which can be switched on before welding is started. The Ammeter, Voltmeter and all the controls are housed in a **detachable box** for easy **inspection and servicing**. The **Open Circuit Voltage** can be set at **58, 63 or 68 V** for **MRR 1500** and **55, 60 or 65 V** for **MRR 3000** by selecting suitable primary connections shown in charts given in the manual. To cut down cost of electricity lower Open Circuit Voltage should be chosen.

Quality

Performance

Economy

MRR 3000, MRR 1500, RG 500



SPECIFICATION

	MRR 3000	MRR 1500
Input (50 HZ) (60 HZ)	220 / 380 / 415 / 440 / 500 V 220 / 440 / 550 V	
KVA (at 100% duty)	163	87
Load Current at 100% duty at 60% duty	2400 A 3000 A	1200 A 1500 A
OCV	55 / 60 / 65 V	58 / 63 / 68 V
Welding Circuit Voltage	50 / 55 / 60 V	55 / 60 / 65 V
Weight (approx.)	715 kg.	535 kg.
Dimension (Approx.)		
width	870	875
depth	1025	1025
height	1430	1430

Since the multi-operator rectifier is of constant voltage type, the welder at every welding point shall have to use separate **Current Regulator** to select required welding current. **The Current Regulator RG 500** is a natural choice for this purpose.

RG 500 is a resistance type current regulator designed and manufactured with **high grade resistance wire of very low temperature coefficient** ensuring steady current even when the resistance elements are heated up. These are sturdy and equally suitable for both indoor and outdoor operation. By pressing one or more of the seven current selector switches in a suitable combination the required welding current can be set at any of **95** values in a range of **6A to 593A** in steps of **6/7A**.



RG 500

SPECIFICATION

Load current	500 A (at 100 % duty cycle)
Welding Circuit Voltage	60 V
Arc Voltage	35 V
Welding Current Range	6 A - 593 A
Current Setting Steps	6 / 7 A
Weight	33 Kg.
Dimension: (approx.) W X D X H	400 X 545 X 450

POWERCON provides a wide range of Arc Welding Equipment for various welding processes. For more details please contact POWERCON.

POWERCON reserves the right to alter specifications without notice.



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