

## **Rectifier system, type CR800/360V-5CH**

### **Main technical features of CR800/360V-5CH:**

1. Power supply : 3 x 380 V / 50Hz;
2. Power consumption : up to 340 KVA;
3. Number of independent circuits - 5. All circuits are galvanically isolated!;
4. Output charge current : 0-160 A;
5. Output voltage : 36-360 V;
6. **Max. count of 12 V batteries, connected to the system : 5 x 20 = 100;**
7. Work modes :
  - CC (constant current);
  - CV (constant voltage).;
8. Mean square error of the output current :  $\leq 0.5\% + 0.2A$ ;
9. Microprocessor control;
10. Ability to create flexible technology programs;
11. Interface for connection to a centralized management system - RS 485;
12. Ability to connect to formation modules (with acid recirculation) of O.M.I Italy via PROFIBUS;
13. Ability of the circuits to work in parallel to increase the output current;
14. Fifteen galvanically isolated channels for measuring temperature (3 per circuit);
15. Reporting of accumulated ampere hours, watt-hours, output power, output current, voltage, etc.;
16. Cooling - forced, bottom-up;



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17. Safety:

- turning off power of power block when circuit is not working;
- fuses at the output of each circuit;
- automatic fuses at the input of each power block;
- duplication of hardware protection with electronic and software;
- electroless commutation of input contactors for each circuit.

18. Sample dimensions (W / L / H): not more than 1860 mm. x 950 mm. x 2300 mm .;