



RD2000 RECTIFIER SYSTEMS

Inform rectifier is powered from single phase AC, providing DC output voltage to the supply of the critical loads and charging facility of batteries.

The switch-mode technology ensures the high efficiency of the equipment, allowing accurate control, fast dynamic response and keeping it small, light and quite.

- * wide input voltage range
- * high power factor
- * switch-mode technology
- * redundant operation
- * hot-swappable
- * rectifier status control through main CU
- * Status LEDs on each module
- * Compact and Light Size

RD2000 RECTIFIER SPECIFICATIONS

| INPUT | |
|-----------------------|---|
| Voltage | 136 to 280VAC (normal operation at nominal load) |
| | 90 to 135VAC (derating operation at 0,66 of the nominal load) |
| Frequency | 45-65Hz |
| Inrush Current | <10A |
| Power Factor | 0.99 |
| Input THD | <3% |
| Efficiency | >91% |
| Input Current | <14A (at 136V, Nominal load) |
| OUTPUT | |
| Voltage | 48VDC (Nominal) |
| | 45-63VDC (Clearing Value) |
| | 53,5VDC (Factory pre-set) |
| Output Current | 30 Amp |
| Current Share | ±5% |
| Short Circuit Current | 34 Amp |
| Output Regulation | <200mV (0-100% static load variation) |
| | <1V (5-100% load variation) |
| | <100mV (±20% AC variation) |
| | <200mV (0°C-50°C temperature variation) |
| AC Ripple | <50mV AC (at 100Hz) |
| GENERAL | |
| Temperature | 0°C - 55°C |
| Humidity | 5% - 95% |
| Net Weight (kg) | 11,5 |
| Dimensions(mm) WxDxH | 132x305x342 |
| Acoustic Noise | <50dBA |
| Cooling | Forced and Conventional |