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| GENERAL | |
| Input Voltage | 380V/400V/415V |
| Phase Configuration | 3Ph+N+PE or 1Ph+N+PE |
| Rectifiers | Modular and hot swappable RD2000 rectifiers (30Ampere each) |
| Output | The output distribution fuses can be configured depending on the customer request |
| Display Options | System Position, Alarms can be monitored and adjustments can be done through LCD display on the Control Unit (CU). |
| Controller (CU) | All the adjustments and the calibrations are done through CU. |
| Alarm Contact Outputs | There are total 3 dry contact signals present on the frame for remote monitoring |
| PROTECTIONS | |
| Input | One fuse for each rectifier module. |
| Output | For DC distribution, up to 350A, total 24pcs fuses can be Installed on the frame |
| Battery | Fuse according to the frame type for each battery bank |
| Battery low voltage Disconnect | Battery low voltage contactor for the protection of batteries from deep discharge |
| High Voltage | High Voltage Protection Module protects the unit from lightning and sudden voltage fluctuations |
| ELECTRICAL PERFORMANCE | |
| Efficiency | >91% |
| Power factor | 99% |
| Regulation | <1V |
| BATTERY MANAGEMENT | |
| Battery | On 180A frame, there are two group battery banks. Additionally external batteries can be connected to the frame. 8 x 19" 155Ah batteries can be Installed to standard PS8000 frame. |
| Charge | Auto Charge Mode; 49V Mode, 53.5V Mode, 57V Mode, 63 V Mode especially for wet batteries If any adjustment is not made on the CU menu, then the system shall start to operate at auto charge mode when it is Switched on. |
| Low Voltage Disconnect | Low voltage disconnect contactor, disconnects the circuit at the adjusted value between 42VDC to 46VDC from the CU(Control Unit) as s/w or h/w. Low Voltage Disconnect Contactor protects the batteries from deep discharge. |
| Heat Compensation | Heat Compensation is applied according to the heating profiles of batteries connected either Internally or externally. |
| ENVIRONMENTAL SPECIFICATIONS | |
| Dimensions (DxHxW) (mm) | 395x490x525 |
| Weight(kq/cabinet) | 121kg -frame- (excluding the rectifiers and batteries) |
| Operating altitude (m) | <2500 |
| Relative Humidity | 5%-95% |
| Audible Noise | <50dB |
| Cooling | Natural and Forced |