

AC / DC POWER SUPPLY SYSTEM

inform
"Uninterruptible Energy"

PS 8000 DISTRIBUTION FRAME (180Amp)

Inform PS8000, 180A DC Supply has been designed for GSM stations, telecom applications and other communication applications. PS8000 system is used in DC energy required application areas together with charging facility. 180A DC energy distribution system creates the -48VDC energy for the critical loads.

The system is composed of parallel redundant operating and forced current sharing RD2000 series rectifiers, AC distribution, DC distribution and Battery bank. PS8000 Power System can be supplied from both three or single phase mains.

Additionally depending on request, PS8000 system is available to be connected in parallel systems.

RS232 communication port, RS485 port for the communication with other DC frames, monitoring through user friendly intelligent LCD display, availability to locate 6 rectifiers in single frame and to connect 6 frames in parallel ; are other features of PS8000.



PS8000 AC/DC DISTRIBUTION FRAME SPECIFICATIONS

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(kg/cabinet	121kg -frame- (excluding the rectifiers and batteries)
Operating altitude (m)	< 2500
Relative Humidity	5 % - 95 %
Audible Noise	< 50dB
Cooling	Natural and Forced

