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FCBC/ SMPS POWER PLANT
MODEL DY 3700DRC (48V/37.5A)
With Hot Plug-in Dual Controller to increase System reliability

MODEL DY 3700DRC is a Modular Power System, which uses 3 nos. Hot-Pluggable DY 700D Rectifier Modules of 700Watts and a detachable additional Controller to ensure break-free System operation.

ELECTRICAL SPECIFICATIONS

INPUT SPECIFICATION

Nominal Voltage	230V AC, 50Hz 1 φ
Voltage Range	150 – 275V AC
Frequency	47 – 53 Hz
Input Current	< 20A RMS
Efficiency	≥ 90%
Dielectric Strength	1.5KV AC (I/p TO O/P AND CASE)

OUTPUT SPECIFICATION

Nominal Voltage	54V
Output Voltage Span Adjustment	48V - 56V
Output Current	37.50A
Power	2100 Max.
Net Regulation	± 0.5V
Ripple	< 300mV p-p
Psophometric	< 4mV RMS
Audible Noise	<50dBA
Battery Current Limit	0.1AH of Battery Capacity
Battery Protection	LVD (43– 44V)

SPECIAL FEATURES

- Modular Systems, easy for Maintenance
- Hot Plug-In Modules
- Wide Input Voltage Range
- Active Current Sharing
- Potential Free Contacts for Remote Fault Annunciation
- Input High Voltage Disconnect (HVD) & Battery Low Voltage Disconnect(LVD)
- Analog Controllers-Replaceable and Standby
- Common O/P Voltage Control
- Battery Current Limiting for each battery path (Presettable to suit battery Capacity)

ALARMS LED DISPLAY

LED's Provided For :

AC Fail	Red
Module Fail	Red
AC On Battery Discharge	Red
Battery Reverse	Red
Battery Low	Red
Audio Alarm	Buzzer

FUNCTION MONITORING DISPLAY

Digital Meter Provided, For
a) DC Volts
b) DC AMPS Load & Battery

MECHANICAL

Weight	22 Kg.
Dimensions	180 (H) x 486 (W) x 400 (D) mm
Enclosure	IP-20, CRC Sheet, Powder coated Case, Table Top/ 19" Rack Mounting
Input Connection	STUD Terminals
Output Connection	STUD Terminals

ENVIRONMENT

Operating Temperature	0º to 50º C
Storage Temperature	-10º C to +70º C
Cooling	Convection
Humidity	< 95% RH

Specification No - FCBC/ DY 3700DRC- (Rev. 0)

* Enhancement to the above specifications & Customizing can be considered on request.
* Specifications may or can be altered without notice as per company's continuous improvement Program.