

<p>FCBC / SMPS POWER PLANT MODEL DY 32000ERC (48V/100A) With Hot Plug-in Dual Controller to increase System reliability</p>	
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MODEL DY 32000ERC is a Modular Power System, which uses 3 nos. Hot-Pluggable DY 2000E Rectifier Modules of 2000Watts and a detachable additional Controller to ensure break-free System operation.

ELECTRICAL SPECIFICATIONS

INPUT SPECIFICATIONS

Nominal Voltage	230 VAC, Single Phase
Voltage Range	150 - 275 VAC
Frequency	47 - 53 Hz
Input Current	< 30A RMS
Power Factor	0.98 MIN.(50% Load to 100% Load)
Efficiency	> 90%
Dielectric Strength	1.5 KV AC (I/P to O/P & Case)

OUTPUT SPECIFICATIONS

Nominal Voltage	54 VDC
Output Voltage Span Adj.	48V - 56V
Output Current	100A (MAX.)
Power	3 X 2000W (MAX.)
Net Regulation	±0.5V
Ripple	< 300mV p -p
Psophometric	< 4mV
Audible Noise	< 50 dBA
Battery Current Limit	0.1 ~ 0.2 AH of Battery

SPECIAL FEATURES

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

ALARMS LED DISPLAY

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|----------------------------|-------------------|
| 1. AC Fail | 6. Module Fail |
| 2. Battery Low / High | 7. Battery Float |
| 3. AC ON Battery discharge | 8. Battery Charge |
| 4. Battery Reverse | |
| 5. MCB Trip | |

FUNCTIONAL MONITORING DISPLAY

- LED DPM Provided for-
1. Battery Voltage
 2. Load Voltage
 3. Battery Current
 4. Load Current

MECHANICAL

Weight	Approx. 32 Kgs
Dimensions	302 (H) x 483 (W) x 403 (D) mm
Enclosure	IP-41, CRC Sheet, Powder coated Case, Rack/ Tabletop Mountable
Input Connection	Wago Terminals
Output Connection	Wago Terminals

ENVIRONMENT

Operating Temperature	0° to 50° C
Storage Temperature	-10° C to +70° C
Cooling	Fan Cooled
Humidity	< 95% RH

Specification No - FCBC/ DY 32000ERC- (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.