

FCBC / SMPS POWER PLANT- MODEL DY4700 (48V/50A)



MODEL DY 4700 is a Modular Power System, which uses 4 nos. Hot-Pluggable DY 700 Rectifier Modules of 700Watts.

ELECTRICAL SPECIFICATIONS

INPUT SPECIFICATION

Nominal Voltage	230V AC, 50Hz 1 ϕ
Voltage Range	150 – 275V AC
Frequency	47 – 53 Hz
Input Current	20A
Efficiency	88% (TYP.)
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	50A
Power	2800 Max.
Net Regulation	$\pm 0.5V$
Ripple	< 300mV
Psophometric	< 4mV RMS
Audible Noise	<50dBA
Battery Current Limit	0.1AH of Battery
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 Controller
- ❖ Common O/P Voltage Control
- ❖ Battery Current Limiting for each battery path (Pre-settable to suit battery Capacity)

MONITORING 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

MONITORING DISPLAY

Digital Meter Provided, For

- a) DC Volts
- b) DC AMPS Load & Battery

MECHANICAL

Weight	50 Kg.
Dimensions	405 (H) x 483 (W) x 310 (D) mm
Enclosure	IP-20, CRC Sheet, Powder coated Case, Table Top/ 19" Rack Mounting
Input Connection	Banana Terminals
Output Connection	STUD Terminals

ENVIRONMENT

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

[Specification No - FCBC/ DY 4700- \(Rev. 0\)](#)

* 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.