

FCBC / SMPS POWER PLANT MODEL DY 4350 (48V/25A)



MODEL DY 4350 is a Modular Power System, which uses 4 nos. Hot-Pluggable DY 350 Rectifier Modules of 350Watts.

ELECTRICAL SPECIFICATIONS

INPUT SPECIFICATION

Nominal Voltage	230V AC, 50Hz 1 ϕ
Voltage Range	150 – 275V AC
Frequency	47 – 53 Hz
Input Current	12A
Input Isolation (L&N)	AC FUSES
Efficiency	88% (TYP.)
Dielectric Strength	1.5KV AC (I/p TO O/P AND CASE)

OUTPUT SPECIFICATION

Nominal Voltage	48V
Output Voltage Span Adj.	48V - 56V
Output Current	25A
Power	1400Watts
Net Regulation	$\pm 0.5V$
Ripple + Noise	< 300mV
Psophometric	< 4mV RMS
Audible Noise	<50dBA
Battery Current Limit	0.1 AH of Battery
Battery Protection	LVD (42-43v)

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

MONITORING LED DISPLAY

LED Indications 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	15 Kg.
Dimensions	380 (H) x 483 (W) x 290 (D) mm
Enclosure	IP-20, CRC Sheet, Powder coated Case, 19" Rack Mounting
Input & 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 4350- (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.