

FCBC / SMPS POWER PLANT MODEL DY 2350B (48V/12.5A)



MODEL DY 2350B is a Modular Slim-Line Power System, which uses 2 nos. Hot-Pluggable DY 350B Rectifier Modules of 350Watts.

ELECTRICAL SPECIFICATIONS

INPUT SPECIFICATIONS

Nominal Voltage	230V AC
Voltage Range	150 – 275V AC
Frequency	47 – 53Hz
Input Current	6A MAX
Efficiency	89% TYP
Dielectric Strength	1.5KV AC (I/p TO O/P AND CASE)

OUTPUT SPECIFICATIONS

Nominal Voltage	48V
Output Voltage Span Adjustment	48-56V
Output Current	14.0A Max
Power	700W
Net Regulation	± 2% mV
Ripple + Noise	300 mV p-p MAX
Psophometric	< 4mV RMS
Audible Noise	< 50dBA
Battery Current Limit	0.1 AH 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 & Battery Low Voltage Disconnect
- ❖ Analog Controller
- ❖ Common output voltage control
- ❖ Battery Current Limit (Pre-settable to suit battery Capacity)

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

MECHANICAL

Weight	6 Kgs.
Dimensions	88 (H) X 483 (W) X 275 (D) mm
Enclosure	IP-20, CRC Sheet, Powder coated Case, Table top or 19" Rack Mounting
Input & output Connection	STUD Terminals

ENVIRONMENT & SAFETY

Operating Temperature	0° to 50° C
Storage Temperature	-10° C to +70° C
Cooling	Convection
Humidity	< 95% RH
EMI/ EMC	Designed to meet CISPR22 Class A/ IEC 61000-4
Safety	Designed to meet IEC 60950

Specification No - FCBC/ DY 2350B- (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.