

## FCBC / SMPS POWER PLANT MODEL DY 6350 (48V/37.5A)



MODEL DY 6350 is a Modular Power System, which uses 6 nos. Hot-Pluggable DY 350 Rectifier Modules of 350Watts.

### ELECTRICAL SPECIFICATIONS

#### INPUT SPECIFICATION

Nominal Voltage	230V AC, 50Hz 1 $\phi$
Voltage Range	150 – 275V AC
Frequency	47 – 53 Hz
Input Current	18A
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	54V
Output Voltage Span Adj.	48V - 56V
Output Current	37.5A
Power	2100 Watts
Net Regulation	$\pm$ 0.5V
Ripple	< 300mV
Psophometric	< 4mVRMS
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

#### 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	25 Kg.
Dimensions	520 (H) x 483 (W) x 290 (D) mm
Enclosure	IP-20, CRC Sheet, Powder coated Case , 19" Rack
Input & output Connection	Mounting 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 6350- (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.