

## FCBC / SMPS POWER PLANT MODEL DY 1350 (48V / 6.25A)



### ELECTRICAL SPECIFICATIONS

#### INPUT SPECIFICATIONS

Nominal Voltage	230V AC, 50Hz 1 $\phi$
Voltage Range	150 – 275V AC
Frequency	47 – 53 Hz
Input Current	3A
Input Isolation (L&N)	AC FUSES
Efficiency	88% (TYP.)
Dielectric Strength	1.5KV AC (I/p TO O/P AND CASE)

#### OUTPUT SPECIFICATIONS

Nominal Voltage	54V
Output Voltage Span Adj.	48V - 56V
Output Current	6.25A
Power	350W
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

- ❖ Wide Input Voltage Range
- ❖ Potential Free Contacts for Remote Fault Annunciation
- ❖ Input High Voltage Disconnect (HVD) & Battery Low Voltage Disconnect (LVD)
- ❖ Analog Controller

#### ALARM INDICATIONS

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	1.8 Kg.
Dimensions	220 (H) x 86 (W) x 250 (D) mm
Enclosure	IP-20, CRC Sheet, Powder coated Case, 19" Sub Rack Mounting
Input & output Connection	Through Terminal Block

#### 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 1350 - (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.