

<p>FCBC / SMPS POWER PLANT MODEL DY 31500ENRC (66V/66A) With Hot Plug-in Dual Controller to increase System reliability</p>	
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MODEL DY 31500ENRC is a Modular Power System, which uses 3 nos. Hot-Pluggable DY 1500EN Rectifier Modules of 1400 Watts and a detachable additional Controller to ensure break-free System operation. Specifically designed for charging NI-CD Batteries.			
ELECTRICAL SPECIFICATIONS			
INPUT SPECIFICATIONS			
Nominal Voltage	230 VAC, Single Phase		
Voltage Range	150 - 275 VAC		
Frequency	47 -53 Hz		
Input Current	<25A RMS		
Power Factor	0.98 MIN.(50% Load to 100% Load)		
Efficiency	>90%		
Insulation	@ 500V DC > 100MΩ (I/P to O/P & Case)		
Dielectric Strength	1.5 KV AC (I/P to O/P & Case)		
OUTPUT SPECIFICATIONS			
Nominal Voltage	54 VDC		
Output Voltage Span Adj.	48V - 66V		
Output Current	3 X 22A (MAX.)		
Power	3 X 1400W (MAX.)		
Regulation	±0.5V load and line		
Ripple + Noise	< 300mV p -p		
Psophometric	< 4mV (- 46dbm)		
Audible Noise	< 50 dBA		
Battery current Limiting	0.1 ~ 0.2 AH of Battery Capacity		
Load Voltage	48 ~ 56V (Dropper Diode Regulated)		
SPECIAL FEATURES			
<ul style="list-style-type: none"> <input type="checkbox"/> Modular System, easy for Maintenance <input type="checkbox"/> Hot Plug-In Modules <input type="checkbox"/> Wide Input Voltage Range <input type="checkbox"/> Active Current Sharing <input type="checkbox"/> Potential Free Contacts for Remote Fault Annunciation <input type="checkbox"/> Power Factor Correction <input type="checkbox"/> Input High Voltage Disconnect (HVD) <input type="checkbox"/> Analog Controllers- Replaceable and Standby <input type="checkbox"/> Common O/P Voltage Control <input type="checkbox"/> Battery Current Limiting for each battery path (presettable to suit battery Capacity). 			
ALARMS LED DISPLAY		FUNCTION MONITORING DISPLAY	
1. AC FAIL	6. LOAD ON	LED DPM Provided for-	
2. Battery Low	7. Battery ON	1. Battery Voltage	
3. AC ON Battery discharge	8. System On Float	2. Load Voltage	
4. Battery Reverse	9. System On Charge	3. Battery Current	
5. Module Fail		4. Load Current	
MECHANICAL		ENVIRONMENT	
Weight	Approx. 35 kgs	Operating Temperature	0° to 50° C
Dimensions	302 (H) x 483 (W) x 403 (D) mm	Storage Temperature	-10° C to +70° C
Enclosure	IP-20, CRC Sheet, Powder coated Case, 19" Rack Mounting	Cooling	Convection
Input Connection	Wago Terminals	Humidity	< 95% RH
Output Connection	Wago Terminals		

Specification No - FCBC/ DY 31500ENRC- (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.