NetSure™ 531 LBR Series

48V DC Power System

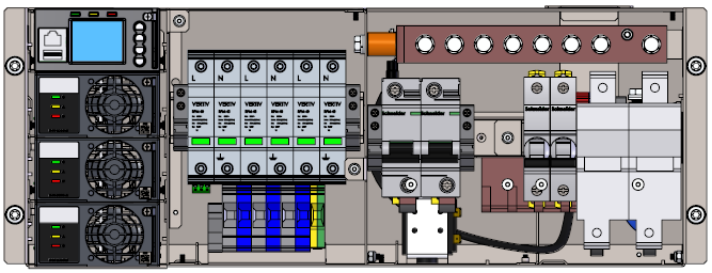
SubRack Systems

Key Features

- Cost-effective, allows for easy expansion, local /remote control & supervision via an advanced controller.
- Can be installed in any std 19" Racks
- Frontal access & Top cabling design for easy installation & maintenance.
- Rectifier working temperature range (-40°C ~ 75°C), outstanding environmental adaptability.
- Rectifier with a streamlined soft-switching technology, raising the rated efficiency up
- Hot pluggable rectifier modules- easy and fast online maintenance.
- Comprehensive lightning protection design on the AC side, one DPS per phase
- Intelligent battery management function, which prolongs battery life
- ECO mode function: Embedded with an advanced energy optimization technique ensuring high efficiency at varying load

Description

NetSure™ 531 LBR series DC power system, with integrated digital signal processing control technology, exhibits high reliability, high power density, and high performance. Its cutting-edge design, based on years of experience and expertise in development, makes it well-equipped to meet the needs of today's telecom industry. Its turnkey features include local/remote control and supervision via an advanced controller, integrated distribution unit, flexible AC input and robust chassis, enable it to meet the various demands of the industry.



NetSure™ 531 LBR Series

System Configuration	
Configuration options	
System Capacity	6 kW
Controller	M830B (NCU)
Rectifier	Max: 3 x R48-2000e3
AC Input	380Vac, 6 individual Block Terminals, one per phase + 3 per neutro
Battery Routes	2x 80A CBs (ABB)
DC Distribution (LLVD)	Not equipped with LLVD
DC Distributio	Up to 4x 10A, 2x 63A Fuse (Zoloda)
SPD (Lightning Protection)	40 kA, 3 phase
Dry Contacts	Up to 12 relays
Digital Inputs	Up to 12 inputs
Batt Monitoring	OPTIONAL Mid Point Batt Voltage Monitoring
Mechanical data	
Structure	19" (W), 4U (H)
Dimensions (W x D x H) in mm	482 x 405 x 177
Weight (kg)	~15kg

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Configurations	
Rectifiers	
Model	R48-2000e3
Input Voltage	85 VAC ~ 300VAC (176Vac – 300Vac without derating)
Power Factor	≥0.99
Efficiency	>96%
Output Voltage	-42Vdc ~ -58Vdc
Nominal Voltage	-48Vdc
Rated Voltage	-53.5Vdc
Controller M830B	
Display	128 x 160 pixels TFT LCD
Communication Interface	Rs232, RS485, Ethernet, USB
Protocol	IPv4, IPv6, HTTPS, EEM SNMP V2/V3, SocTpe, Rsoc, Modbus
Analog inputs	2 battery currents, 1 load current, 1 bus voltage, 2 battery voltages, 3 temperatures, 1 fuel sensor and much more with additional interface boards
Digital Inputs	1 input for status of SPD auxiliary contacts, 12 load fuses, 6 battery fuses, bi-stable contactor status
Outputs	3 LVD mono & bistable contactors
Ordering Information	
Part Number (included one Rectifier Module and controller)	BZAB 348 12/045RI
Rectifier Module PN	R48-2000e3
Manufacturing	Sorocaba/Brazil



R48-2000e3



M830B

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