

KEY FEATURES

- Increased system efficiency, over 96%
- Expand capacity on live site without system interruption
- Increased power in existing footprint
- Eliminates rectifier legacy support issues
- Intelligent interface between existing system and new system controller
- Enables connection to remote monitoring (SNMP and web)
- Safety Compliance - NEBS Level 3 certified; UL 60950 Recognized

High efficiency 3500 watt constant power rectifiers reduce energy costs and heat loss.

Description

The NetSure™ 722 Bulk Output Power System is intended for use to expand or replace legacy -48V DC rectifiers while retaining the site's existing distribution power board. It can be used with any -48V DC power system, regardless of vendor or plant type. Accommodating up to twenty-nine high efficiency 3500 watt rectifiers per system, the NetSure 722 provides up to 2000 amps of current for -48 volt systems. The basic components of the system include the ACU+ control unit, a main module mounting shelf which houses the ACU+ and five rectifiers, and up to four expansion shelves that accommodate six rectifiers each.

The NetSure 722 system contains a powerful, microprocessor-based control system capable of monitoring and controlling all of the rectifiers in the system. The ACU+ controller also provides output alarming as well as monitoring of external alarms and signals. It features a 4 x 16-character alphanumeric display, which can be activated at the touch of a keypad, and remote access via Ethernet is provided with internal web pages and SNMP.

Application

The NetSure 722 system is ideal for replacement or expansion of legacy rectifiers up to 2000 amps at -48V DC.



NetSure 722: Bulk Output Power System

Technical Specifications

SYSTEM FEATURES

Nominal System Voltage, Nominal	-48 VDC (-42.0 VDC to -58.0 VDC range)
Control Microprocessor	ACU+

RATED OUTPUT CAPACITY

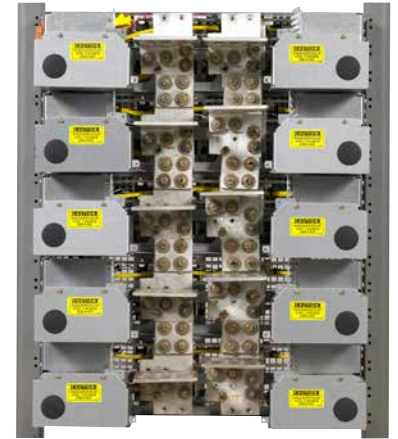
16,000A Main Shelf (with ACU+)	365 amps at -48 VDC
Expansion Shelf	438 amps at -48 VDC
System	2000 amps
Rectifier	3500 W (R48-3500e)

PHYSICAL CHARACTERISTICS

Mounting Width	23 inches (584 mm)
Mounting Depth	18.8 inches (478 mm)
Height	5.22 inches (133 mm)
Front Projection	6.0 inches (152 mm)
Weight	Main Shelf: 30.0 lb. (13.6 kg)
	Expansion Shelf: 28.0 lb. (12.7 kg)
	ACU+: 2.2 lb. (1.0 kg)
	Rectifier: 7.0 lb. (3.2 kg)

ENVIRONMENTAL

Operating Temperature	-40 °C to 65 °C (-40 °F to 149 °F) with derating above 45 °C (113 °F)
Storage Temperature	-40 °C to 85 °C (-40 °F to 185 °F)
Humidity	0% to 95% relative humidity, non-condensing
Altitude	-200 ft. to 10,000 ft. (-61 m to 3048 m), derate 3 °C per 1000 ft. above 5000 ft.
Ventilation	Rectifiers are fan-cooled front to rear
EMI/RFI Suppression	Conforms to FCC rules Part 15, Subpart B, Class B and EN55022 Class B, radiated and conducted
Safety Compliance	Recognized to UL60950-1; CAN/CSA 22.2 No. 60950-00; NEBS Level 3 Certified



Rear View: (Covers Removed) DC Output and AC Input Connections



R48-3500e: eSure Rectifier

Ordering Information

PART NUMBER

DESCRIPTION

582127100	NetSure™ 722 DC power system
1M820DNA	ACU+ controller
1R483500E	3500 watt eSure™ rectifier
588705000	Power shelf



M820D: ACU+ Controller

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