

# NetSure™ 732 A41

48V DC Embedded Power Supply



## Key Features

- **Ultra-compact power system:**  
The best-in-breed power system delivers -48V DC power output in a minimal footprint, thereby saving considerable user space and offering more room space for the essential revenue generating equipment.
- **Accepts Dual input power supply:** compatible with AC & DC inputs
- **Easily adaptable in a harsh grid environment:** Excellent Tolerance for a wide range of AC input voltages (i.e. 85-300VAC) & DC input voltages (i.e.190-410VDC) – enhances the battery life remarkably.
- **Input Source Sharing Management:** Load sharing between the AC & DC input groups can be managed through an intuitive controller, making it highly flexible with high usability.
- **High efficiency:** >95% efficient eSure™ converters ensure optimum total cost of ownership.
- **Multiple communication interface:** Built-in communication ports such as the Ethernet, RS 232, and Dry contacts streamline remote, flexible supervision and management.

## Description

NetSure™ 732 A41 is a rack-mounted power system designed to accept different input voltages with the capability to power 48VDC access & core equipment of the telecom sites. Built with cutting-edge technology, it comes equipped with a modular and robust hot-pluggable converter and a turnkey controller module design, which ensures the highest uptime and round-the-clock connectivity.

With top-of-the-line output performance characteristics, it delivers the highest energy efficiency resulting in significant reduction of the operational expenses. An integrated smart port enables effective virtual monitoring of the power system remotely with the desired results.



NetSure™ 732 A41

System Configuration*		AC Input	DC Input
System Capacity		100A	100A
Control Module		M830B	
Power Module		C400/48-3000e3 , 2Nos	C400/48-3000e3 , 2Nos
Input voltage	Voltage	AC 220V	DC 192V-400V
	Capacity	63A/2P X1	63A/2P X1
Output voltage (48V)		(125A/1P X1, 63A/1P X1) -2 Groups	
Optional items		lightning Protection Module	

**Note:** Either AC (or ) DC input can also be configured

Configuration	Model
Converter Module	C400/48-3000e3

Electrical Parameters	Description
Nominal Input Voltage	AC input: 200 to 250 VAC; DC input: 240/336VDC
Input Voltage	AC input: 85 ~ 300VAC; DC input:190 ~ 410VDC
Input frequency	45 ~ 65Hz
Power Factor	≥0.99(applicable to AC input)
Efficiency	>95.5%
Output Voltage	-42Vdc ~ -58Vdc
Output power	3000W Maximum
Output current	62.5A@-48VDC



**C400/48-3000e3**

Controller-M830B	
Display	128 x 160 Pixels TFT LCD
Communication Interface	Ethernet, USB, RS 232*, RS 485*
Protocol	IPv4, IPv6, HTTPS, SNMP V2/V3, EEM Soc Tpe, Rsoc, Modbus

\* Optional features



**M830B**

Mechanical Parameters	NetSure 732 A41
Structure	19 inches(W), 4U(H)
Dimensions (W x D x H) in mm	483 x 390 x 178
Weight (kg)	≤20kg (exclude rectifier and controller)