

Embedded Power Shelf Systems (EPS)

NDC48-1U

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Features

- 1.2 KW power capacity
- Front input & output cable entry
- 19" standard size with 1U height
- Easy installation
- Adjustable output current up to 25A



Embedded Power Shelf Systems Specification	
Model	NDC48-1U
No. of Compartments	1
Telecommunications Design	19" for Telecom.
Max. Power Capacity	1.2 KW/25 A (Adjustable)
Input Voltage (Nominal)	185-275 VAC
Input Voltage (Range)	95-300 VAC
Available Battery Charging Procedure	Float-Equalize
Back-Up Battery Terminal	Available-Front Access
Protections	Available
Cabling Mode	Front
Outputs	One for Battery/One for Load
Operating Temperature (°C)	-15 to +65
Adjustable Charging Limit	Equalize Charging, 44V ~ 59V Default (56.4V / 10A)
Float Charging	44V ~ 59V Default (54V / 7A)
Dimensions (HxWxD) mm	44.5x482.6x343

Enterprise Power Distribution Solutions

DC-PDP08 / DC-PDP10



Features

- Custom design DC distribution
- Front access
- Up to 8 DC MCBs
- 19" standard size with 1U height
- Easy & fast installation



Features

- Custom design DC distribution
- Front access
- Up to 10 DC MCBs
- 19" standard size with 2U height
- Easy & fast installation

Embedded Power Shelf Systems (EPS)

NSP48-5S / NSR48-2S

Introduction

Nian Electronic Power Shelf Systems-XU Series are small, just like cells and easy to transport. They are embedded in telecommunications infrastructure and often used in outdoor & indoor system applications. Their installation is also simple even in locations with difficult access. These series are light, front access and especially designed for embedded power systems with limited space. It provides 2 to 6 kw (capable to accommodate 3 kw rectifiers providing 3 to 9 kw - NSR48 Series) of premium-quality electricity. Power shelf systems platforms are available in two options: The first option offers the complete power system embedded in a single rack and the other one comprises a standard rectifier shelf and a distribution unit.

NSP48-5S Embedded Power Shelf

Features

- Intelligent Power Management Unit (PMU)
- Multi master system control
- LVDS (Low Voltage Disconnection Switch), LLVD & BLVD
- Sophisticated automated system & battery control and monitoring
- Compact 5U (including AC&DC -distribution) rack mounting
- Highly reliable proven DC architecture and telecom grade equipment
- Efficiency Plus rectifiers application; over %96 operation efficiency
- Cost-effective and simple power expansion with modular increments
- Safe & simple installation and 'plug & go' auto-configuration
- Extensive LAN/WAN communications capabilities
- Surge Protection Device (SPD)
- NCR48U hot-pluggable rectifier series
- 19" standard size with 5U height



NSR48-2S Embedded Power Shelf

Features

- Intelligent Power Management Unit (PMU)
- Multi master system control
- NCR48U hot-pluggable rectifier series
- Remote control & monitoring
- Data logging
- 19" standard size with 2U height



Embedded Power Shelf Systems Specification			
Model	NSP48-5S	NSR48-2S	NSPA48-81U
System			
Cable Mode	Front	Back	Front
Installation Mode	Installed on 19-inch rack or cabinet		
Max. Number of Rectifiers	3	3	6
Load Sharing	Available		
IP Compliance	20		
Dimensions (HxWxD) mm	481x440x236	482.6x444.7x95	482x479x356
AC Input			
AC Configuration	1Ph+N	1Ph+N	3Ph+N
Input Voltage Range	230 V	230 V	400 V
Frequency Range	45-66 Hz		
Rectifier Input (AC) Breakers	3 x MCB (16A)	-	6x MCB (25A)
SPD	Available	-	Non Available, it can be designed as per customer's requirement
DC Output			
Max. Output Power / Current	6KW (125A) / 9KW (187.5A)	-	12KW (250A) / 18KW (375A)
Load Breakers	4x MCB (2-63 A)	-	10 x MCB (2-63 A) on BLVD 6 x MCB (2-63 A) on LLVD
Battery breakers	MCB 2P(40A)	-	Non Available, it can be designed as per customer's requirement
LLVD (LVD)	-	-	Available(125A)
LLVD (BLVD)	Available(80A)	-	Available(200A)
Rectifier			
Rectifier Type	NCR48U 2KW / 3KW	NCR48U 2KW / 3KW	NCR48U 2KW / 3KW
Efficiency	>%95 (Up to 96.2 in Peak Efficiency)		
Alarm Panels			
Alarm Panels Type	NALP1U	-	NALP1US