

HILTRON - LNB Power Supply System

HILTRON H-LNB-PSS



The Hiltron LNB Power Supply System is a modular redundant system for the supply, protection, monitoring and control of LNBs



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The Hiltron LNB Power Supply System is modular supply system for SATCOM applications. It protects the LNB and allows to control and to monitor the supply parameters as well the input signal level.

The system is expandable and consists of one or more supply blocks comprising each four LNB supply modules. The number of blocks is limited by the max. available power of the selected main power supplies.

A single module type LNB.50 contains a power control circuitry for setting and monitoring; the supply voltage and the max. tolerable current. Furthermore it contains a RF level detector to monitor the total LNB output RF output level. Each block has a redundant power supply interface A and B and two communication bus interfaces type RS422 which allows to cascade several blocks easily.

Due to the modular structure of the system all the supply voltage, the maximum current and the thresholds for the minimal and maximal tolerable voltages; and currents as well the RF level can be set individually for each LNB. The adjustable thresholds can be set via the Web-interface. In case of a malfunction an alarm will be generated and shown in the Web-Interface.

The LNB supply voltage can be adjusted in the range from 5 V to 18 V. The maximum supply current is 400 mA.

The communication card module type ACU-NET provides the RS422 serial interface to be used for communication with the supply blocks and its modules and an Ethernet interface for system monitoring and control of any individual LNB.

Features

- modular LNB supply system
- individual monitoring and control of LNB
- monitoring of RF input level via Web-interface
- modules are hot swappable
- Monitoring and control via Web-interface

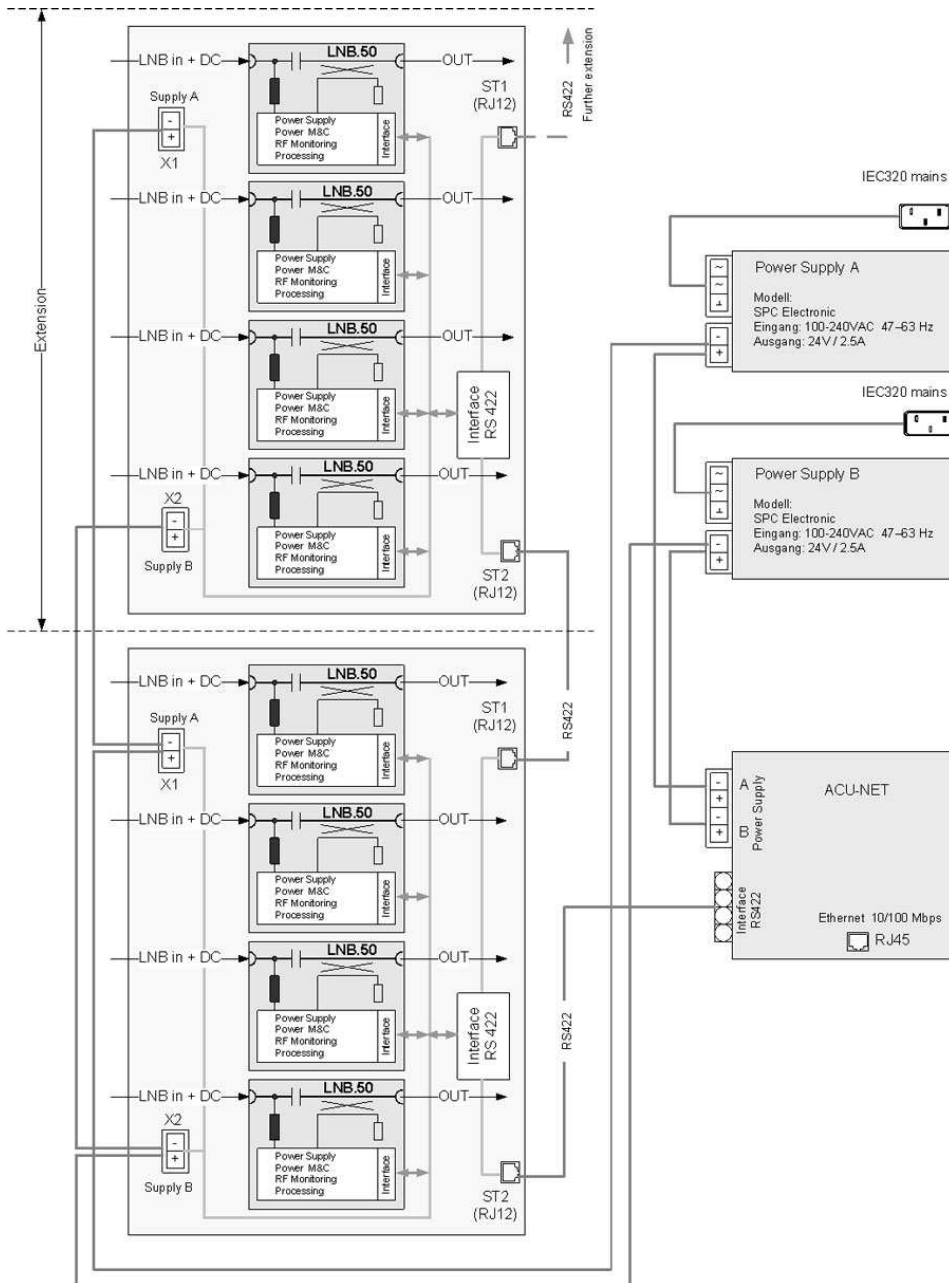
Options

The system is flexible and can be tailored to customer requirements.

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The supply system is integrated on a 19" rack-mountable base plate. The total height is pre-defined by the height of the LNB supply modules (type LNB.50) and is not higher than 100mm



Specifications

Operation Frequency	950 to 2150 MHz
Impedance	50 Ohm
Configuration	block consist of 4 modules LNB.50
Loss	< 1.0 dB
LNB voltage	5 - 18 V adjustable
LNB supply current	400 mA max.
RF connectors	type N
Power Requirements	90 – 264 VAC 47 – 63 Hz
Power Consumption	depending on no. of LNAs
Remote Control	Web-Interface TCP/IP RJ45, 10/100 Base-T
Mechanical	19" rackable base plate L x W x H 425 mm x 260 mm x 100 mm

Order Information

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