

19" 1U 110/220VAC Dual Power Supply

Overview

1U Dual Power Supply 1000W module is a part of MICROSENS 10G Transport Platform, a high performance and flexible carrier-class transmission system. The 10G Transport Platform enables increasing transport capacities in CWDM, DWDM and SDH networks. The use of wide range TDM modules permits to reduce the number of necessary wavelengths and to decrease the overall cost of the application. Ethernet over SDH modules enable using existing SONET/SDH infrastructure for IP transmission.



The general features of the system:

- 19" 2U Chassis with 5 module slots and management card
- Max. 5x single size modules f.ex. 2x double size + 1x single size module
- Hot swappable modules & power supplies
- Redundant power supplies with -48 VDC input (opt. 230 VAC)
- Exchangeable air- and filter module
- Wide range of functional xWDM and TDM modules available

The functional modules of 10G Transport Platform include:

- TDM 8x GBE or 8x GFC to 10G/OC-192/STM-64
- TDM 5x GBE or 5x 2GFC to OC-192/STM-64
- TDM 4x OC-48/STM-16 to 10G/OC-192/STM-64
- TDM 2x GBE and 2x GFC to OC-48/STM-16
- 10G transponder with 3R, XFP and fixed Laser Versions
- 10G protocol converter 10G LAN to 10G WAN (OC-192/STM-64)
- DWDM MUX/DeMUX, OADM_s, EDFAs

19" 1U 230VAC 1000W Dual Power Supply

Introduction



Each Power Supply module is a highly-efficient AC-DC power supply with one high current output and an additional standby output, which can be used in a wide range of applications.

This module meets international safety standards.

System description

Environmental

All specifications apply over specified input voltage, output load and temperature range, unless otherwise noted.

Parameter	Conditions/Description	Min	Nom	Max	Units
Humidity	Relative humidity, non-condensing			95	%
Operating Temp	At 100% load	0		50	°C
Operating Temp	At 50% load	0		70	°C
Storage Temp		-40		85	°C

19" 1U 230VAC 1000W Dual Power Supply

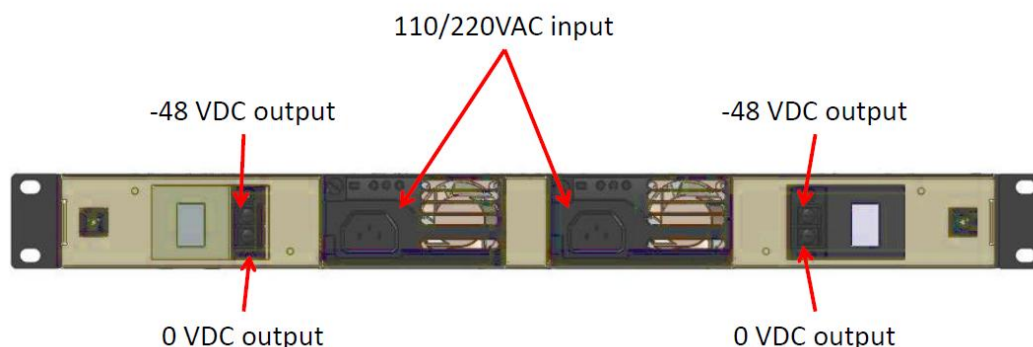
Input Specifications

Parameter	Conditions/Description	Min	Nom	Max	Units
Input Voltage	Single-phase continuous input range.	90	-	264	VAC
Input frequency	AC Input	47	-	63	Hz
Hold-up time	After last AC line peak at full power	16	-	-	ms
Input Current	At full-rated load.	-	-	14	Arms
Inrush Current Limitation	115/230 VAC			15/20	A
Inrush Surge Current	Internally limited. Vin = 230 VAC	-		34	Apk
Power Factor	Per EN61000-3-2	0,97			W/VA

Output Specifications

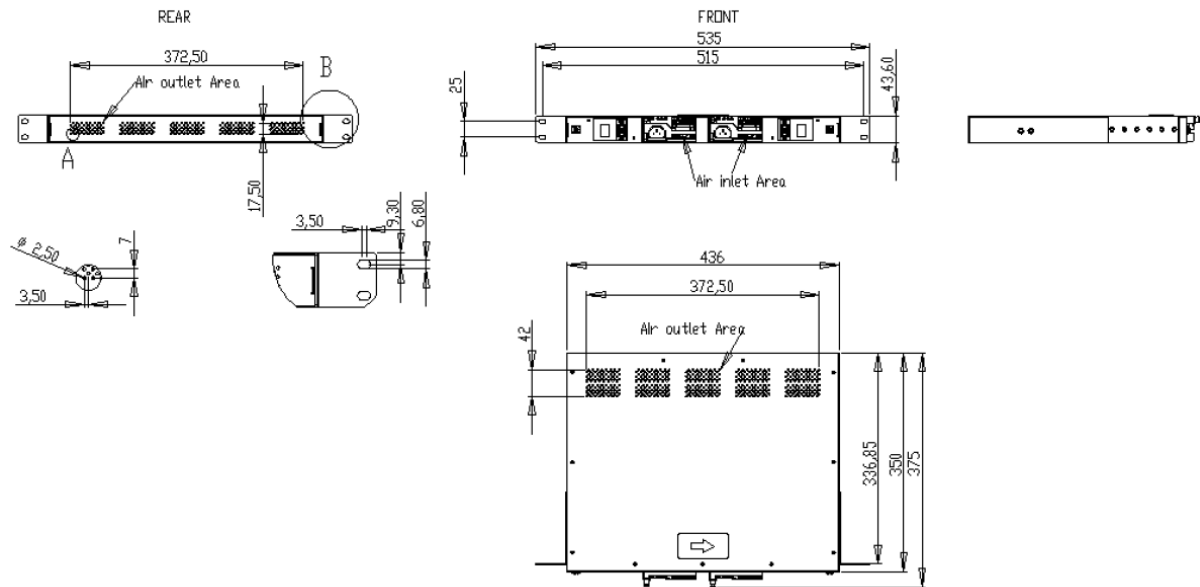
Parameter	Conditions/Description	Min	Nom	Max	Units
Efficiency	Full rated load at 230 VAC input.	88	89,5	-	%
Minimum Load	Minimum loading required to maintain regulation.	0			A
Output Power				1006	W/VA
Overshoot	Output voltage overshoot at turn-on.	-		3	%
Turn-On Delay	Time required for initial output voltage stabilization after application of AC input.			1,5	s
TransientResponse	Maximum recovery time to within 1% of initial set point due to a 50% load change, 1A/us: 48V output: Standby output: Maximum deviation 48V output: Maximum deviation standby output:			400 2 2 4	us ms % %

Output Connector Descriptions



MICROSENS 1U Rack for Dual Power Supply

Dimensions (mm)



Order Information

Art. No. **Description**

Modules

MS430518MHC 19" 1U 110/220VAC Dual Power Supply max. 1000W

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