



# Aspiro™ 1-MS00022G

MODELS Aspiro XS19.48 1RU 48V | Aspiro XS19.48 2RU 48V  
1U & 2U Integrated DC Power System  
-48VDC | 2400 to 4800 Watts



## Features

- 1RU and 2RU height solutions
- Wide AC input; 85 to 300VAC
- Wide operating temperature range -40°C to +75°C
- Ethernet interface
- Simple installation
- Designed for 300mm deep ETSI cabinets
- Rear or side cable connection options
- Various fuse options
- International standards compliance



XPGe12.48 Rectifier



ACC Extended Controller

## Description

Aspiro DC power systems offer a range of solutions for diverse applications such as broadband access, cable head ends, micro/pico BTS Cells, Enterprise, E911, and GSM-R.

Aspiro uses rectifiers models XR04.48, XR08.48 or the highly efficient XPGe12.48 and is highly-adaptable to provide a complete solution for today's global applications.

System management is accomplished via a pluggable system controller, complete with remote accessing functionality with an Ethernet, web server, and SNMP interface.

Highly flexible distribution options offer the optimum 1U or 2U shelf solution for space-critical applications. In addition, installation within compact environments is made simple and includes reduced-depth distribution shelves catering for rear or side cable connection.



1U - 45.2A | 2400W



2U - 67.8A | 3600W



2U - 90.4A | 4800W

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System Type	1RU - 2 Rectifiers	2RU - 3 Rectifiers	2RU - 4 Rectifiers
Dimensions, inches (mm)	19"/ETSI/23" W 1.75 (44.45) H 11.0 (280) D		19"/ETSI/23" W 3.5 (88.9) H 11.0 (280) D

### Output

Voltage	-48VDC
Rectifier Types	XR04.48 (9.1A   400W), XR08.48 (18.2A   800W) or XPGe12.48 (22.6A   1200W)

### DC Distribution

Battery Breakers	1 maximum	2 maximum	
Load Breakers	4 maximum	15 maximum	9 maximum
Load GMT Fuses	n/a	10 maximum	

### AC Input

Voltage (rectifier)	85-300VAC (XR04.48/XR08.48) or 90-30VAC (XPGe12.48)		
Phases	1	1 or 3	
Input Current	<9.3A per rectifier		
Power Factor	>0.98 typical		

### Monitoring & Control

Controller	PCC or ACC Extended		
Alarm Relays	4 standard, option for up to 10		
Local Interface	4 × 20 LCD, 4 key menu, USB/RS232		
Remote Interface	Ethernet/Modem using PowCom™ software package		
Visual Indication	Green LED - System ON, Yellow LED - Message(s), Red LED - Alarm(s)		
External I/O	2 × inputs, 2 outputs (open collector)		

### Battery Management

Symmetry Inputs	1	2	
Programmable LVD	Yes		
Temperature Compensation	Yes		

### Connections

Battery	Battery Cable, M6 lugs		
Input	4mm <sup>2</sup>		
Load	4mm <sup>2</sup>		
Alarms	1.5mm <sup>2</sup>		

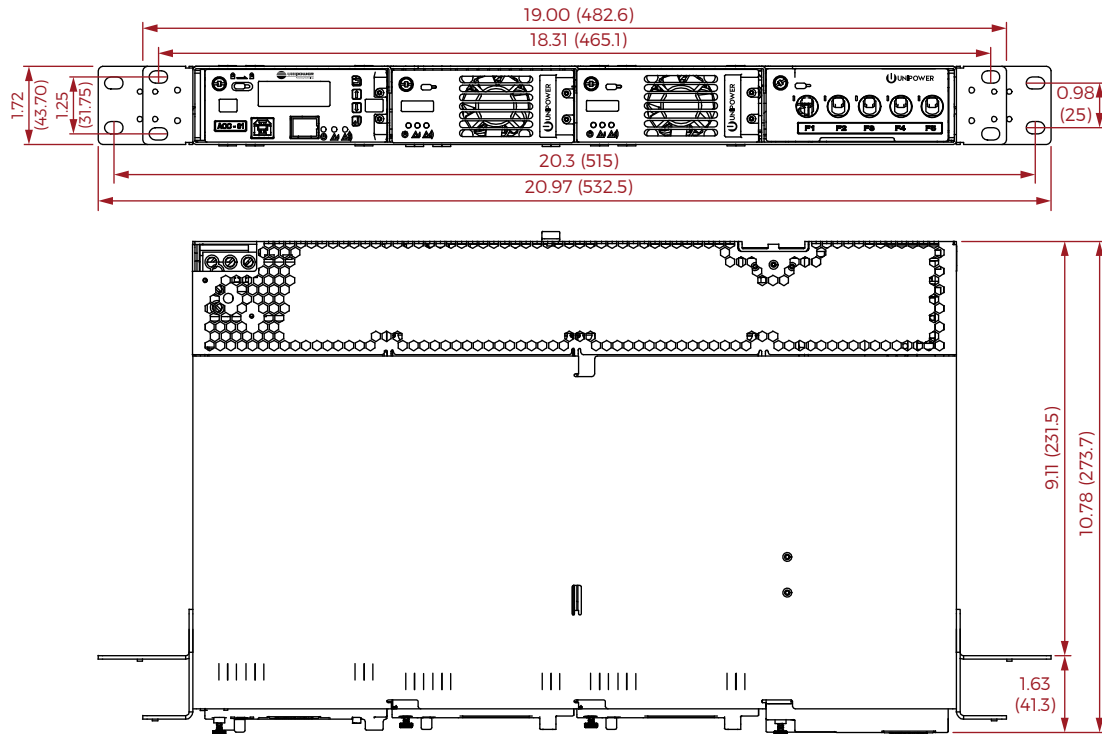
### Compliance

EMC	ETSI EN 300 386 V.1.3.2, EN 61000-6-2 (Immunity), EN 61000-6-3 (Emission)		
Safety	EN 60950-1		

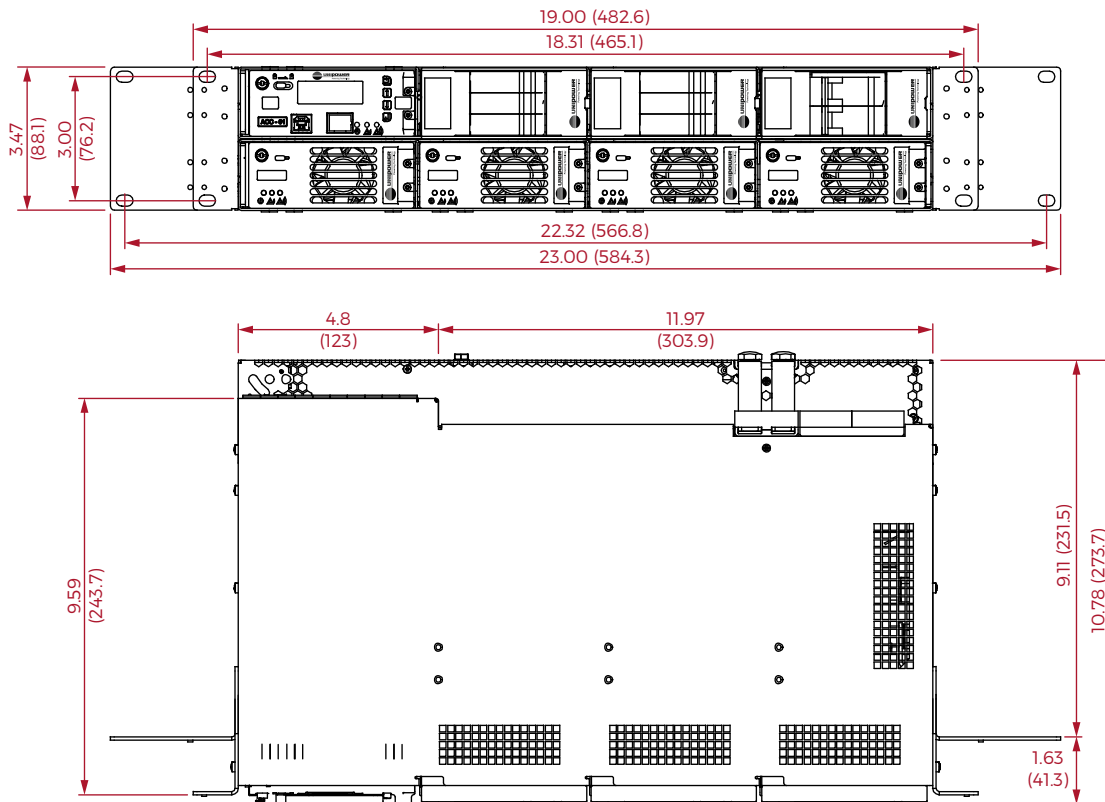
### Environmental

Operating Temperature	-40°C to +75°C, derating over 55°C		
Storage Temperature	-40°C to +85°C		

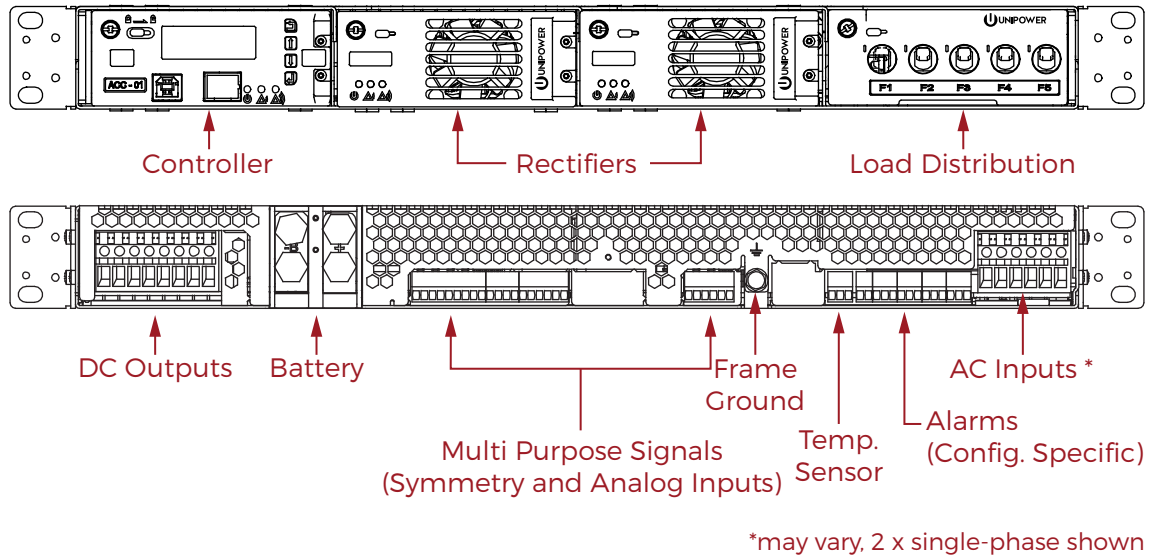
Outline Dimensions - 1RU



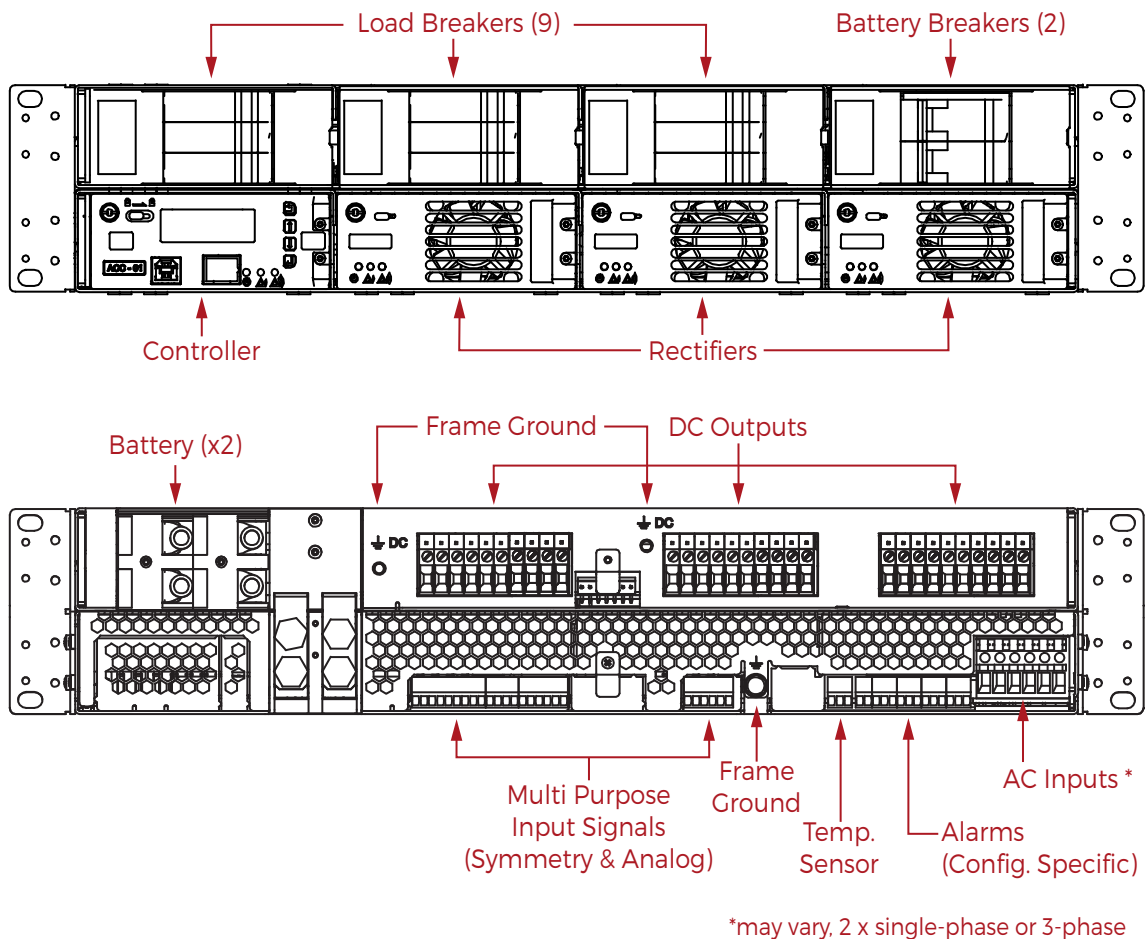
Outline Dimensions - 2RU (4 rectifier system shown)



### System Description - 1RU



### System Description - 2RU, 3 Rectifier



System Description - 2RU, 4 Rectifier

