



Features

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

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 highly-efficient, dense, and reliable XR04.48 & XR08.48 rectifier modules 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.



Mechanical Data

	1 RU - 2 Rectifier System	2 RU - 3 Rectifier System	2 RU - 4 Rectifier System
Dimensions	19"/ETSI/23" x 44.45 x 280 mm (WxDxH)	19"/ETSI/23" x 88.9 x 280 mm (WxDxH)	19"/ETSI/23" x 88.9 x 280 mm (WxDxH)

Output

Voltage	-48 VDC		
Maximum Power	1.6 kW	2.4 kW	3.2 kW
Rectifier Types	Aspiro Series 400 W or 800 W		

DC Distribution

Battery Breakers	1 maximum	2 maximum	2 maximum
Load Breakers	4 maximum	15 maximum	9 maximum
Load GMT Fuse	N/A	10 maximum	10 maximum

AC Input

Voltage (230 VAC)	Single Phase	Single Phase or Three Phase	Single Phase or Three Phase
Frequency	47 – 63 Hz		
Input Current	<5.5 A (XR04.48) or <9.3 A (XR08.48)		
Power Factor	>0.98 (typical)		

Monitoring and Control

Controller	PCC / ACC		
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	2
Programmable LVD	Yes		
Temperature Compensation	Yes		

Connections

Battery Connections	Battery Cable, M6 lugs		
AC Connection	4 mm ²		
Load Breaker Connections	4 mm ²		
Alarm Connections	1.5 mm ²		

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		

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