

ASPIRO™ SHELF SYSTEM



APPLICATIONS

Wireless

- 4G/LTE Base stations
- Microwave and Radio sites
- Wireless Broadband Deployment
- Multi-Service Access Nodes (MSAN)
- Railway safety/control system and GSM-R

Fixed

- Cable and fiber broadband (ADSL/VDSL, FTTx)
- Enterprise telephony switches/servers

FEATURES

- 1U height solution
- Wide AC input: 85 to 300 VAC
- Ethernet interface
- Simple installation
- Designed for 300 mm deep ETSI cabinets
- Rear Side cable connection
- Various size breaker options
- International standards compliance

DESCRIPTION

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

Aspiro uses highly-efficient, dense, and reliable XR04.48 / XR08.48 or XPGe12.48 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 shelf solution for space-critical applications. In addition, installation within compact environments is made simple and includes reduced-depth distribution shelves catering for rear side cable connection.

TECHNICAL DATA

OUTPUT	
Output Voltage	46 - 57 V
Power (max.)	2400 W
Output Current (max.)	18.2 A (XR04.48), 35 A (XR08.48), 45 A (XPGe12.48)
Rectifier Types	XR04.48 / XR08.48 / XPGe12.48
DC DISTRIBUTION	
Battery Breakers (max.)	1 (Sizes: 40 A, 50 A, 65 A)
Load Breakers (max.)	4 (Sizes: 1 A, 4 A, 5 A, 7.5 A, 10 A, 15 A, 20 A, 25 A, 30 A)
INPUT	
AC Input Connections	100 - 250 VAC, 1x Single-phase or 2x Single-phase
Frequency	50 - 60 Hz
Input Current (max.)	16 A (Single-phase) 8 A (2x Single-phase)
Power Factor	> 0.98 (typical)
MONITORING AND CONTROL	
Controller	ACC Extended / PCC
Local Interface	4 x 20' LCD, 4-key menu, USB / RS232
Remote Interface	Ethernet / Modem using PowCom™ software package
LED Indications	Green LED - System ON; Yellow LED - Message(s); Red LED - Alarm(s)
Analogue Inputs	12x Multi-Purpose voltage inputs (0 – 100 VDC)
Analogue Outputs	4x Potential free alarm relays (C, NC, NO)
Digital Inputs	2x, Logic 0: V < 10 VDC, Logic 1: V > 12 VDC
Digital Outputs	2x (open collector type)
Temperature Measurement	2x Temperature probe (Battery, Ambient)
BATTERY MANAGEMENT	
Symmetry Inputs	Max. 3
Programmable LVD	Yes
Temperature Compensation	Yes
CONNECTIONS	
Battery connections	Stripped cable, max. 16 mm ² , spring type connector
AC connection	Stripped cable with ferule, max. 2.5 mm ² , screw type connector
Load breaker connections	Stripped cable with ferule, max. 4 mm ² , screw type connector
Alarm connections	Stripped cable with ferule, max. 1.5 mm ² , screw type connector
COMPLIANCE	
EMC	ETSI EN 300 386 V.1.5.1, EN 55022, EN 55024, EN 61000-4
Safety	EN 60950-1, UL/CSA60950-1+A1, IEC60950 2nd+A2
ENVIRONMENTAL	
Operating Temperature	-40 °C to +75 °C, derating over 55 °C
Storage Temperature	-40 °C to +85 °C
MECHANICAL	
Dimensions ((WxHxD)	480 x 44.45 x 280 mm
Weight - empty power shelf	3.3 kg
- fully equipped	6.5 kg
Mounting Options	19" / ETSI / Mid-mount

NUCLEAR AND MEDICAL APPLICATIONS - Power-One products are not designed, intended for use in, or authorized for use as critical components in life support systems, equipment used in hazardous environments, or nuclear control systems without the express written consent of the respective divisional president of Power-One, Inc.

TECHNICAL REVISIONS - The appearance of products, including safety agency certifications pictured on labels, may change depending on the date manufactured. Specifications are subject to change without notice.