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 (XPG12.48)
- **Rectifier Types**: XR04.48 / XR08.48 / XPG12.48

### 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 mm², spring type connector
- **AC connection**: Stripped cable with ferule, max. 2.5 mm², screw type connector
- **Load breaker connections**: Stripped cable with ferule, max. 4 mm², screw type connector
- **Alarm connections**: Stripped cable with ferule, max. 1.5 mm², 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.