

# SITEFLEX<sup>®</sup> MPC

## MULTI PURPOSE SOLUTION



### OVERVIEW

The SiteFlex<sup>®</sup> Multi Purpose solution offers a robust and environmentally controlled solution for easy and fast outdoor deployment of a variety of different equipment.

#### Versions

- Power supply and battery enclosure
- Equipment enclosure

The power and battery solution has a factory installed 12kW 48VDC power supply system, AC distribution and space for a 48V battery. Batteries that can be installed are PowerSafe 12V62F or 12V38F.

The equipment enclosure has a 19" rack with 16 RU space for various equipment.

Both versions are equipped with a Direct Air Cooling (DAC) system.

The enclosures are designed to be stacked or positioned side by side.

Side walls have hatches with knock-out holes for cable glands or easy cable routing between the enclosures.

#### Options for an optimal installation:

- Plinth for ground mounting
- Rain shield protecting equipment installed on left or right side of cabinet
- Wall and pole mounting kit
- Cover plates for knock-outs
- Heater kit



Figure 1. Power and battery enclosure



Figure 2. Equipment enclosure

## POWER ENCLOSURE



### MECHANICAL

- 19" rack 10 RU height



### 48VDC POWER SUPPLY SYSTEM

- 4RU 48VDC 12kW Power supply system
- Cordex HP controller, Cordex HP L-ADIO
- Cordex 3kW rectifier modules (ordered separately)
- DC Distribution with load and battery CBs
- Battery temperature sensor
- Ref. data sheet for power system E-CXPS-48-12



### AC-SYSTEM

- 3RU AC distribution with surge arrester
- Service outlet with RCB
- Circuit breakers for power supply system, DAC and heater
- MET (Main Earth Terminal) Main switch



### THERMAL MANAGEMENT

- Max cooling capacity: 1500W @  $\Delta t=10K$
- Microprocessor based climate controller
- Speed controlled 48VDC axial fans
- Air filter class M5



### ALARMS

- Sum alarm from the climate controller: High temperature, fan and sensor failure
- Power system alarm



### ENVIRONMENT

- Operating temp.: -33°C to +55°C
- Humidity: 0-100%

## EQUIPMENT ENCLOSURE



### MECHANICAL

- 19" rack 16 RU height



### THERMAL MANAGEMENT

- Max cooling capacity: 3000W @  $\Delta t=10K$
- Microprocessor based climate controller
- Speed controlled 48VDC axial fans
- Air filter class M5



### ALARMS

- Sum alarm from the climate controller: High temperature, fan and sensor failure



### ENVIRONMENT

- Operating temp.: -33°C to +55°C
- Humidity: 0-100%

## GENERAL



### ENCLOSURE DESIGN

- Marine grade aluminum
- Polyester powder painted, light grey (RAL 7035)
- Thermal Insulation: polyethene, 10mm
- Two-point door locking system
- Swing handle with Euro cylinder
- 2 x PG 13.5 ; 18 x PG 21 ; 2 x PG 29
- Cable entry located in the bottom of the cabinet

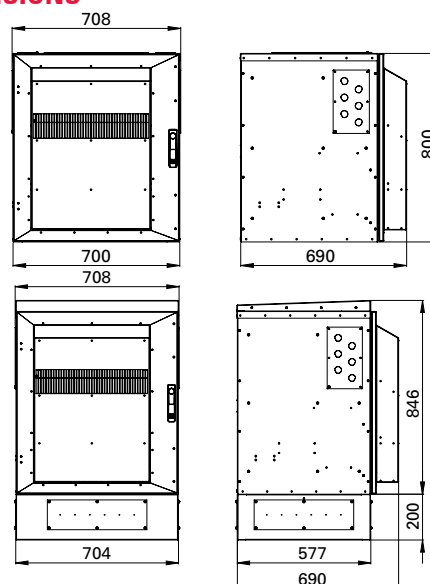


### STANDARDS AND CERTIFICATION

- The product is CE marked
- Product safety acc. to EN 62368-1 and EN 60950-22
- Electromagnetic compatibility acc. to ETSI EN 300 386
- Environmental protection IP54 acc. to EN 60529
- The product is RoHS compliant acc. to EU directive 2011/65/EU
- The product is WEEE compliant acc. to EU directive 2012/19/EU



### DIMENSIONS



Description	Part number	Dimension H x W x D	Weight kg
Power and battery enclosure	2000005674	800x700x690	75
Equipment enclosure	2000005675		45
Options (part numbers of on-site installation kits)			
Plinth	2000003611		
Heater	2000003612		
Interconnection kit for side by side installation	2000003601		
Rain cover for external cabling	2000003613		
Blinder for knockout plate	2000003617		
Wall and pole mounting kit	2000003614		
Air filter M5	2000003817		