

# STREETFLEX<sup>®</sup> FWA0

## OUTDOOR FWA SOLUTION

### OVERVIEW

The outdoor FWA solution offers a robust and environmentally controlled solution for easy and fast deployment.

The solution has two compartments. The upper compartment is equipped with a 19"-rack and a bottom compartment intended for one string of 100Ah battery.

The solution is pre-equipped with an AC-distribution and a 48VDC power supply system with a DC distribution.

The upper compartment is ventilated by a free cooling system with speed regulated fans for optimal noise and energy efficiency. The battery compartment has vent opening for the hydrogen gas.

### Product features

- Separate compartment for batteries and equipment
- 19" rack, height 21RU
- AC distribution
- 48VDC 4,8kW Power supply system
- Power inlet for external power source i.e. diesel generator.



## POWER AND EQUIPMENT COMPARTMENT



### MECHANICAL

- 19" rack with 18RU free space for customer equipment



### THERMAL MANAGEMENT

- DAC – Direct air cooling
- Cooling capacity: 1200W @  $\Delta t=10K$
- Voltage: -48VDC
- Microprocessor based climate controller
- Indoor and outdoor temperature sensors
- 2 axial fans (PWM controlled)
- Air filter class M5



### AC SYSTEM

- AC distribution with surge arrester
- Transfer switch for external power source
- Power inlet for external power source
- Service outlet with RCB
- Circuit breaker for power supply system
- MET (Main Earth Terminal)
- Battery cables (On request)



### DC POWER SYSTEM

- 2RU 48VDC power supply system
- Controller Cordex™ CXCM1 HP system
- Space for 4 Cordex™ HP 1.2kW rectifier (ordered separately)
- DC distribution, 10 load CBs, 2 battery CBs
- BLVD (Battery Low Voltage Circuit Breaker)
- Battery temperature sensor
- Ref. data sheet for power system E-CXPS-48-5



### ALARMS

- 3 potential free and configurable alarm relays included in the DC power system (critical / major / minor)
- Door alarm
- High temp (+50°C), Low Temp (-5°C),
- Climate system alarm

## BATTERY COMPARTMENT



### MECHANICAL

- Supporting a battery string of 100Ah battery.



### THERMAL MANAGEMENT

- Vent openings for natural ventilation of the compartment

## GENERAL



### ENCLOSURE DESIGN

- Enclosure structure made of marine grade aluminum
- Polyester powder paint, light grey (RAL 7035)
- 4-point door locking mechanism
- Concealed hinges
- Door handle with Euro locking cylinder
- 4 pcs lifting eyes
- Weight 80kg



### ENVIRONMENT

- Ingress protection IP55 (power and equipment compartment)
- IK10
- EQ Zone II acc ETS 300 019-1-4

### OPTIONS

- Fan heater (230AC) for the battery compartment



### 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 IP55 acc. to EN 60529
- Mechanical resistance IK10 acc. to EN 62262
- The product is RoHS compliant acc. to EU directive 2011/65/EU
- The product is WEEE compliant acc. to EU directive 2012/19/EU



### PART NUMBER

- 2000005681



### DIMENSIONS

