SITEFLEX SECURE® DPBS
OUTDOOR POWER AND BATTERY SOLUTION

EnerSys®
Power/Full Solutions

OVERVIEW

The SiteFlex® Secure outdoor power and battery dual bay solution is designed as a robust alternative for sites where there is a demand for an improved anti-theft protection. Batteries are protected by heavy duty steel armor. The door locking mechanism is design with 4 point locking hooks. The swing handle has a protective cover and is designed for heavy duty padlocks.

The solution includes a factory installed AC-distribution, a 48VDC 24kW power supply system with remote control features, DC-distribution and I/O possibilities.

Product features

- Anti-theft protection armor of the batteries
- Concealed mounting of padlocks for the battery armor front (Padlocks on request)
- Anti-theft protection of the door hinges
- Anti-theft protection cover of the door handle and padlock
- Base plinth with removable side protection

- Power compartment
  - 9RU 19" rack for power equipment
  - 9RU 19" rack for customer equipment
  - DAC (Direct air cooling)

- Battery compartment
  - ACU (Air conditioner)
  - EVS (Emergency Ventilation System)
  - Passive hydrogen ventilation
  - Supported lead-acid batteries SBS 170/190Ah OPzV 600 2V blocks (On requests)

POWER COMPARTMENT

MECHANICAL
- 9RU 19" rack for power equipment
- 9RU 19" rack for customer equipment

THERMAL MANAGEMENT
- DAC (Direct Air Cooling)
- Cooling capacity: 1400W @Δt=10K
- 2 x 48VDC axial fans, speed controlled
- M5 air filter for air inlet, G4 filter for air outlet

AC SYSTEM
- 19" 3RU AC distribution with surge arresters
- Service outlet with RCB
- Circuit breakers for power supply system
- MET (Main Earth Terminal)

ELECTRICAL
- Door, DAC, ACU, surge arresters alarms
- Grounding bar and bonding cables
- Battery cables for 8 strings
- Service light

DC POWER SYSTEM
- 5RU 48VDC 24kW 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-48-24

BATTERY COMPARTMENT

MECHANICAL
- Anti-theft protection armor for the batteries
- Concealed mounting of padlocks of the armor front (Padlocks on request)
- Rack for 8 strings of 12V SBS170/190Ah
- Rack for 2 string of OPzV600 2V on request
- Passive hydrogen ventilation

THERMAL MANAGEMENT
- 48 VDC Air conditioner
- Cooling capacity: 800W @35/35°C
- Refrigerant: R134a
- EVS (Emergency Ventilation Cooling)

GENERAL

ENCLOSURE DESIGN
- Powder painted aluzinc / zinc coated steel sheet
- Thermal insulation 12 – 50mm XPS/PIR
- Outer finish: polyester powder paint light grey (RAL 7035)
- Concealed hinges with security brackets
- Door handle for padlock protected by security cover
- Door blade gap protected by steel T-profile
- Left door secured with steel bolt/pin
- Four point door locking mechanism
- 18 x PG cable inlets at bottom
- Anchor bolts 4 pcs.

ENVIRONMENT
- IP54 for power comp. / IP44 for battery comp.
- Operating temperature range: -10°C to +50°C
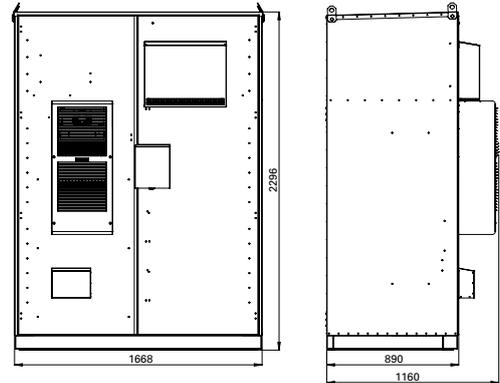- Humidity: 0-100% (no condensation)

STANDARDS AND CERTIFICATION
- Product safety acc. to EN 62368-1 and EN 60950-22
- Environmental protection IP54 for power compartment acc. to EN 60529
- Environmental protection IP44 for battery compartment acc. to EN 60529
- Burglar protection RC4 acc. to EN 1627
- The product is RoHS compliant acc. to EU directive 2011/65/EU
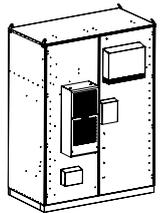- The product is WEEE compliant acc. to EU directive 2012/19/EU

DIMENSIONS

Outdoor Power and Battery Dual Bay Solution

40'HC container load: 9 pcs.

Part number	2000005678
Weight kg	750