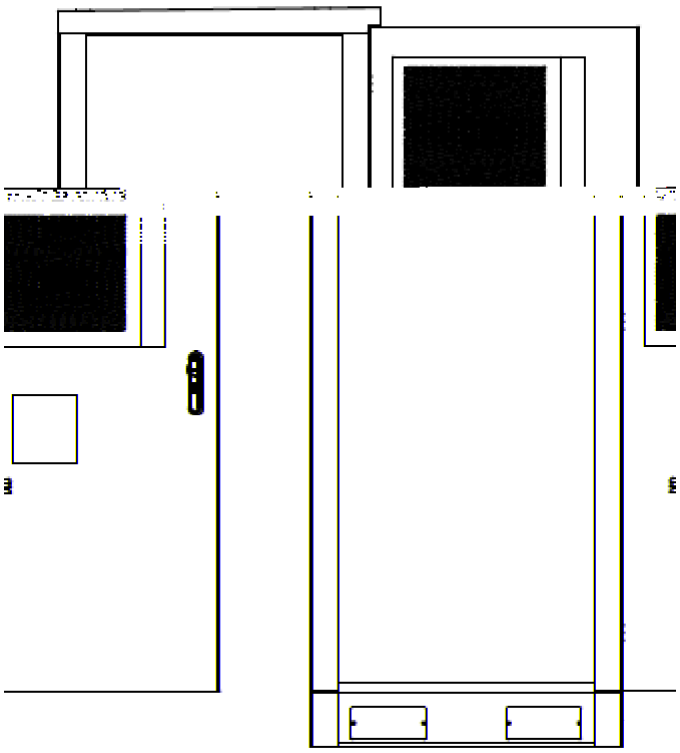
Technical Specification

Outdoor Power Cabinet

Model ODA-WSSAP5-F11



Sunsea AIoT Technology Co.,Ltd.

1. Product Profile

Assembled outdoor power cabinet use module design, all sheet metal wall plate and parts can be disassembled by hand, high strength and good burglarproof, excellent material performance ensure good anti-rust and corrosion resistance. It can be configured to complete power system installation including battary and all support equipments: environmental monitoring system, cable inlet and fiber management module, it provides backup cooling device and terminal solution for variable base station and other scenarios.

2. Technical Specification

Item	Description
Dimension	2020X850X850 (H×W×Dmm)
Strucutre feature	Whole-assembled structure Front door equipped with three point lock, no exposed fastener, good anti-theft performance
Body material & color	Frame: 2.0mm, powder-coated aluminum 19 rack: 1.5 mm, powder-coated galvanized steel Cabinet enclosure: 3-layered structure (aluminum alloy 1.2mm +heat insulation PU material 25mm+ powder-coated EG electroplated steel 0.5mm) Plinth: 2.0mm, hot-dip galvanized RAL 7035
Protection grade	IP55
Mounting Method	Floor-Mounted
Cooling method	a a a a a w
AC input unit	a P a a a P a a P a a
Warning board	14 channels
Equipment & Battery installation	19 inch rack mounting

Loading capacity of cabinet

3. Environmental Adaptability

3.1. Ambient Conditions

- Operation temperature -20℃ +55 ℃
- Relative humidity 5% 100% +30ºC
- Atmospheric pressure 70 kPa 106 kPa
- Total radiation intensity of sun ^{2}

3.2. Storage temperature

- Storage temperature -25 +55

4. Basic Structrue

It contains: Whole-assembled structure, frame + wall board + plinth + sunshied (optional). Cabinet can contain Power system,lithium battery,air conditioner, which about support devices provide protection and power supply for user telecommmunicaiton equipments,as shown in Figure 4-1

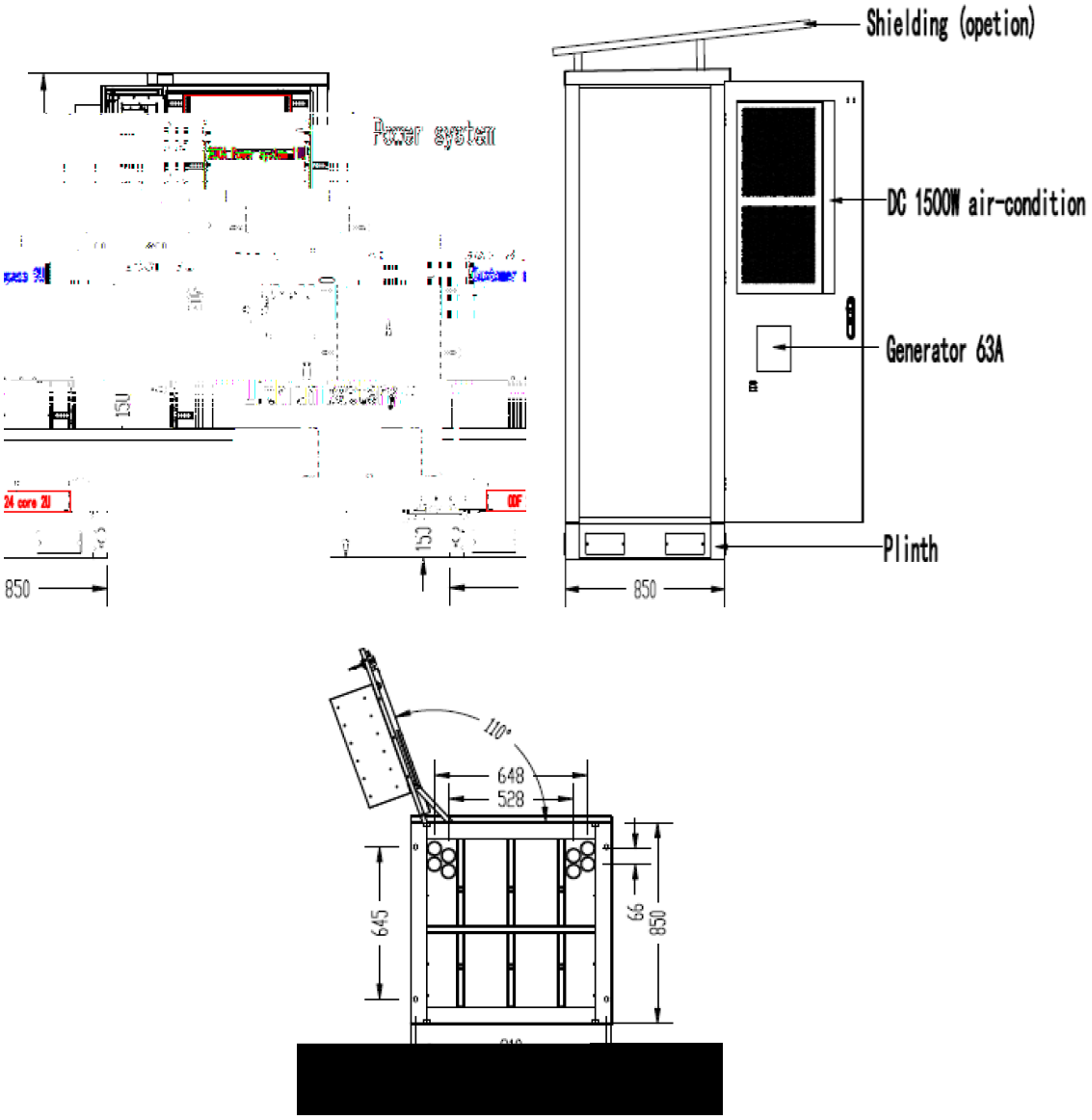
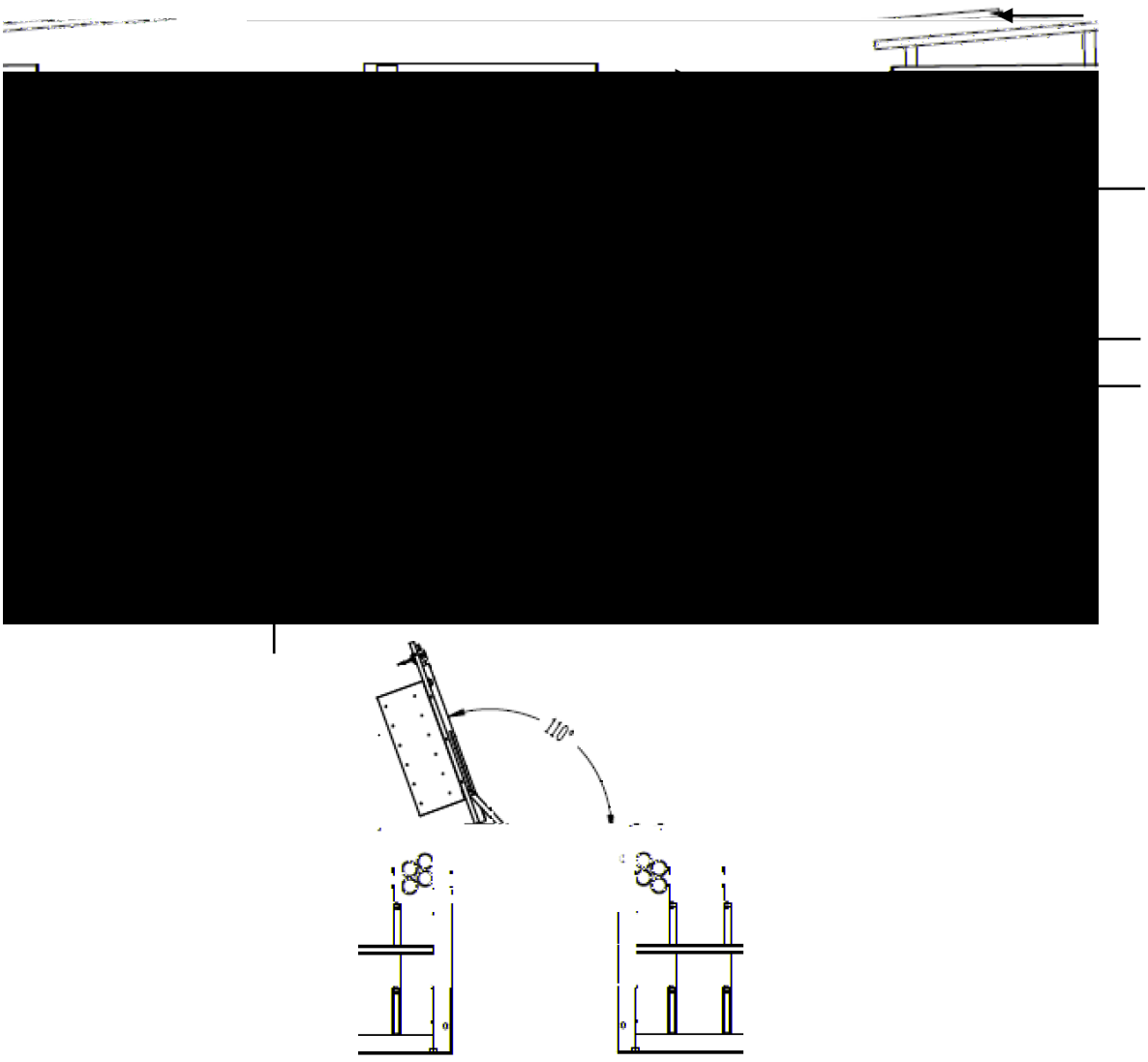


Figure 4-1 Cabinet Layout

5. Cabinet Composition

The internal part of the cabinet is a 19-inch standard installation rack for installation of battery units, and Integrate a variety of environmental sensors, air-conditioner cooling.It is suitable for outdoor diverse application scenarios. Whole-assembled structure wall panel with front door.

Table 1 Cabinet Interface List



1	Roof	14	Grounding bar 2
2	Frame	15	19 rack
3	Wall board	16	LED light
4	Plinth	17	Door sensor
5	Sunshield Optional	18	Smoke sensor
6	DC 1500w Air conditioner	19	Temp sensor
7	Lock	20	Water sensor
8	Generator socket	21	Plinth cover
9	300A Power system	22	Warning board
10	User equipment	23	AC input unit
11	Battery	24	Door latch
12	ODF,24 core, SC/APC	25	Cable enters
13	Grounding bar 1		

STATEMENT

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