Quick Start Guide

Product Introduction

Installation Video   User Manual   WWW.SWATTEN.COM
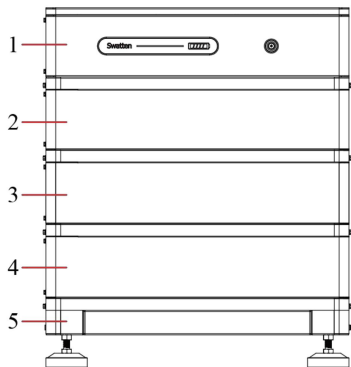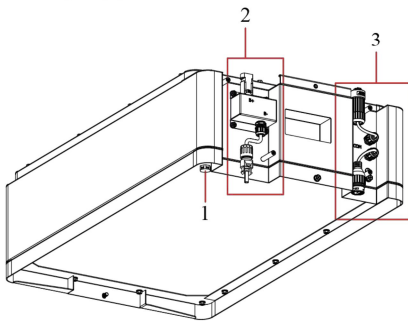

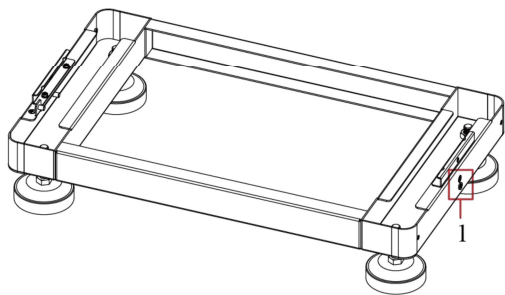| No.	Parts
1	PCU
2, 3, 4	Battery modules
5	Base

Battery appearance

No.	Parts
1	Ventilation value
2	Power Connector
3	Communication Connector

Base appearance

No.	Parts
1	Grounding point

Power control appearance

Right View

Front View

Left View

Bottom View
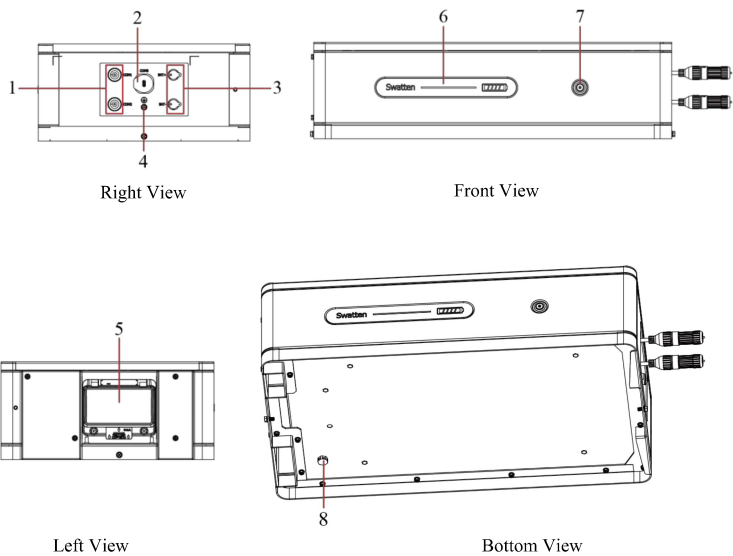
1 Communication terminal (COM)	2 Testing terminal	3 DC terminal (BAT)
4 Grounding point	5 Air switch	6 SOC indicator
7 Multifunction button indicator	8 Ventilation value	

Product Introduction

Check the following items before receiving the product.

1. Checking the Outer Packing
inspect the outer packing for any signs of damage, such as holes or cracks.
Additionally, verify the battery model to ensure it corresponds to your request.
If you notice any damage or if the battery model is incorrect, refrain from unpacking the product, and promptly contact your dealer for further assistance.

2. Checking Deliverables
Upon unpacking the battery, carefully inspect the deliverables to ensure they are undamaged, complete, and free from any noticeable defects. If you find any missing or damaged items, promptly contact your dealer for resolution.Please refer to the Packing List within the packing case for specific information regarding the number of deliverables that should have been included with the battery.

Power Control Unit
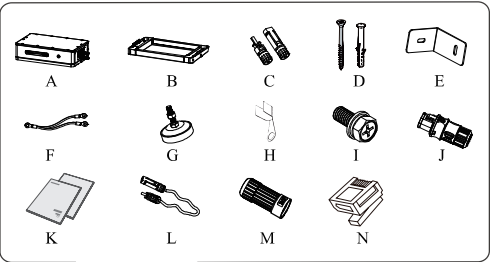
Item	Name	Quantity
A	HV Box	1
B	Base	1
C	MC4	1
D	Expansion screws	4
E	Installation bracket	4
F	Grounding cable (For bottom one)	1
G	Support legs	4
H	Grounding terminal	1
I	Grounding screws	10
J	Communication terminal	1
K	Quick installation manual	1
L	Power cable with MC4 connectors	1
M	Communication port plug	1
N	RJ45 connector	2

Battery module
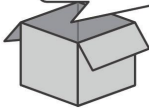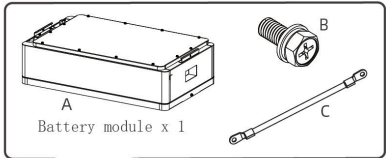
Item	Name	Quantity
A	Battery module	1
B	Grounding screws	2
C	Grounding cable	1

Installation

Installation Environment Requirements:
1. Do not install the equipment near flammable, explosive, or corrosive materials.
2. Avoid installing the equipment in accessible areas, especially within reach of children.
The equipment generates high temperatures during operation, so touching the surface
should be avoided to prevent burns.
3. Take care to avoid drilling holes near water pipes and buried cables in walls.
4. Install the equipment in a sheltered location to protect it from direct sunlight, rain, and snow.
If necessary, construct a sunshade.
5. Ensure that the equipment is installed in a well-ventilated area to facilitate proper dissipation of heat.
The installation space should be spacious enough for ease of operation.
6. The equipment's ingress protection rating determines whether it can be installed indoors or outdoors.
Additionally, ensure that the temperature and humidity at the installation site are within the specified range.
7. Install the equipment at a suitable height for convenient operation, maintenance, electrical connections,
and easy access to indicators and labels.
8. The installation altitude should not exceed 2000m above sea level.
9. Keep the equipment away from electromagnetic interference. If there are any radio or wireless
communication devices operating below 30MHz near the equipment, ensure that the equipment is
at least 30m away from those devices.

Mounting Support Requirements:
1. Ensure that the mounting support is made of nonflammable and fireproof materials.
2. The surface where the equipment is mounted should be sturdy enough to support the
weight of the product.
3. Position the battery system near a wall and securely install the locking brackets to prevent the
battery from accidentally falling..

Installation Angle Requirements:
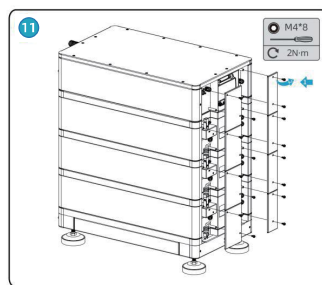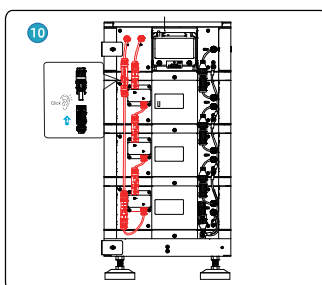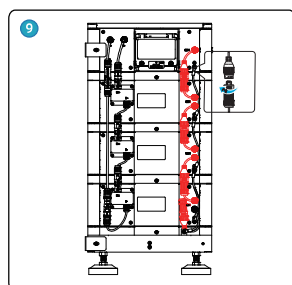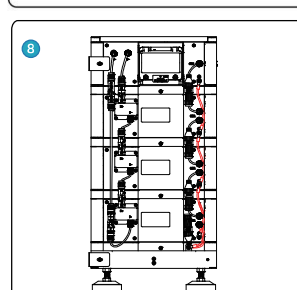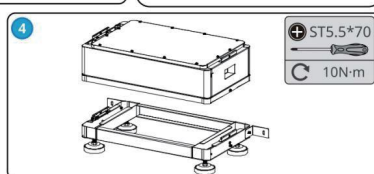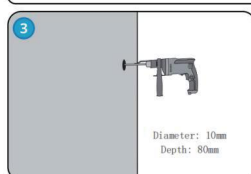1.The equipment must be installed vertically, without any tilt or upside down.
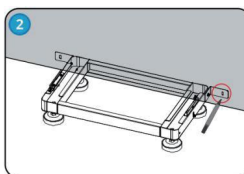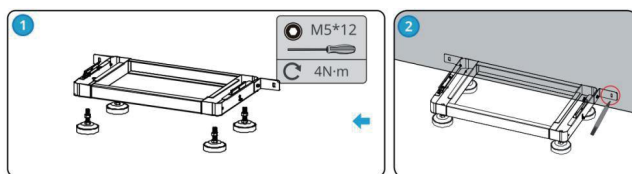

Prevent Child
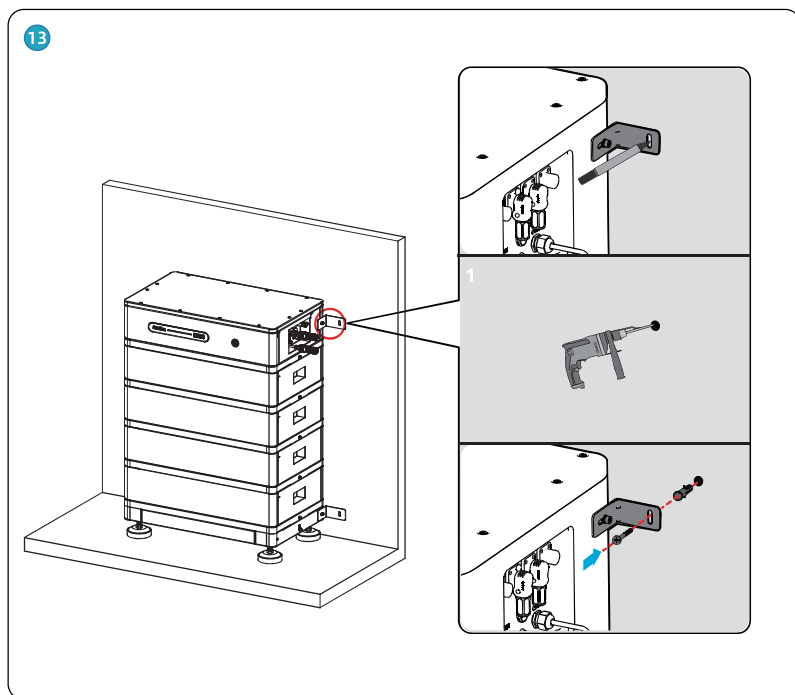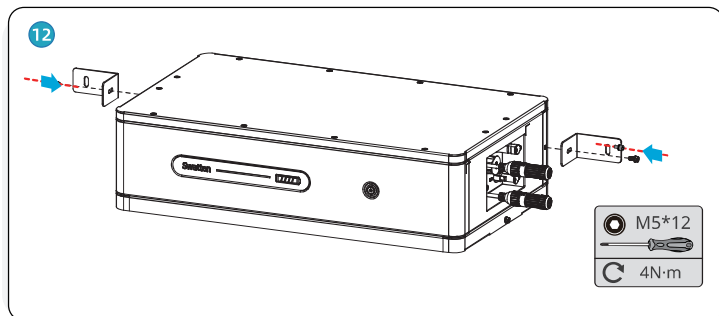Access
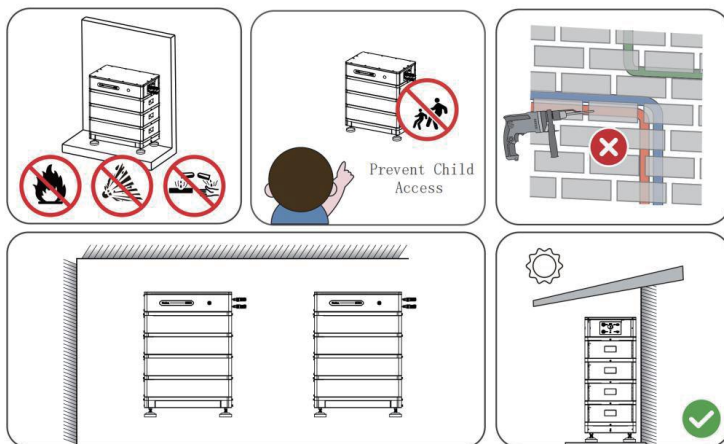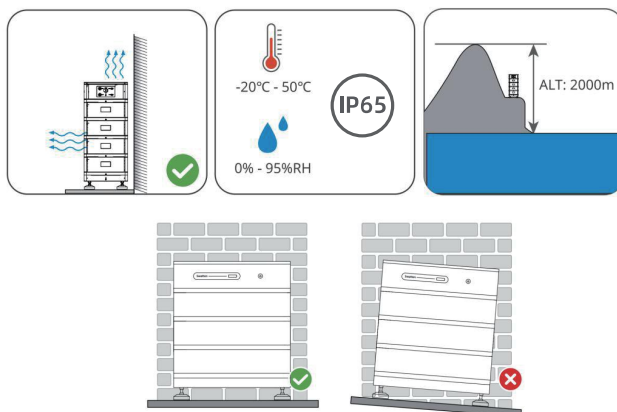
Installation Tool Requirements

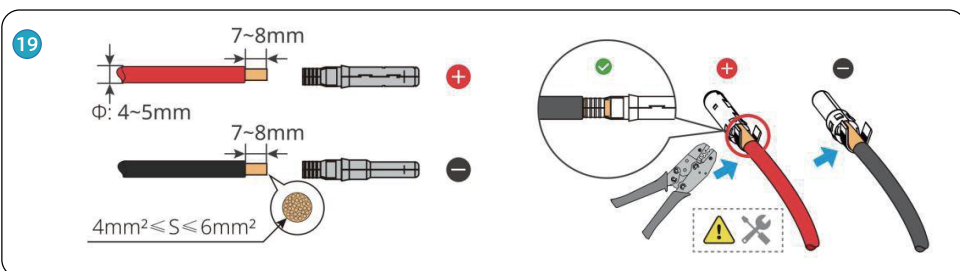The following tools are recommended when installing the equipment. Use other auxiliary tools on site if necessary.
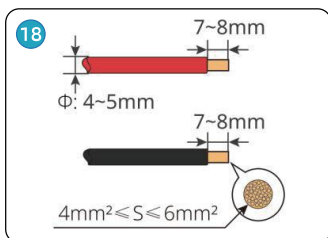
Goggles	Safety shoes	Safety gloves	Dust mask	RJ45 crimping tool
Diagonal pliers	Wire stripper	Hammer drill	Heat gun	DC terminal crimping tool
Marker	Level	Heat shrink tube	Rubber hammer	DC wiring wrench
Multimeter	Cable tie	Torque wrench M3/M5	Vacuum cleaner	

Installation

1. M5*12 — 4N·m
2.
3. Diameter: 10mm Depth: 80mm
4. ST5.5*70 — 10N·m
5.
6.
7. 10N·m
8.
9.
10. Click
11. M4*8 — 2N·m

Installation

Installation

$L=L1+(1\sim2)mm$

$4mm^2 \leq S \leq 6mm^2$

L1

M5*12

8N·m

Grounding point

7~8mm

Φ: 4~5mm

7~8mm

$4mm^2 \leq S \leq 6mm^2$

7~8mm

Φ: 4~5mm

7~8mm

$4mm^2 \leq S \leq 6mm^2$

Installation

PIN	Description
5	CAN_H
6	CAN_L
1, 2, 3, 4, 7, 8	N/A

Inverter

Battery
System

Air switch