



CSS – OD / 107 kWh Grid-tied / Backup Commercial Energy Storage Solution

Model CSS-OU-107 with PCS030B or PCS050B

Quick Installation Guide

Version 1.2.2

For Europe

General

Symbols

 **WARNING!** This symbol denotes a hazard. It calls attention to a procedure that, if not correctly performed or adhered to, could result in injury or loss of life. Do not proceed beyond a warning note until the indicated conditions are fully understood and met.

 **CAUTION!** Denotes a hazard. It calls attention to a procedure that, if not correctly performed or adhered to, could result in damage or destruction of the product. Do not proceed beyond a caution sign until the indicated conditions are fully understood and met.

 This symbol indicates that this is the Protective Earth (PE) terminal that must be firmly grounded to ensure the safety of operators.

Video



[Watch available videos on YouTube](#)

Safety

 **WARNING: RISK OF ELECTRIC SHOCK**
DO NOT touch the wires, contacts, terminals, or any conductors connected to the grid circuit inside the equipment.
Failure to follow safety instructions could result in severe injury or death from electric shock.

 **WARNING: LETHAL HIGH VOLTAGES exist inside the product.**

- Note and abide by all warning signs on the product.
- Observe the safety precautions listed in this manual and other related documents.

 **WARNING: Damaged Equipment Hazards**

- Damaged equipment or system failure may cause electric shock or fire!
- Perform an initial visual inspection of the equipment for damage or other hazards before operation.
- Check whether other external devices or circuit connections are secure.
- Confirm that this equipment is in a safe state before operating it.

 **WARNING:** This equipment must be installed by **licensed electrician** and qualified personnel only. The installation and wiring of this equipment must comply with all applicable national, state/provincial, local electrical codes and standards. Attempting installation by unqualified individuals could result in unsafe operation, code violations, personal injury/loss of life, or damage to the equipment.

 **WARNING: Battery Protection**
DC HIGH VOLTAGE! ELECTRIC SHOCK HAZARD!
The battery in the system generates a high voltage when connected. Accidental contact can result in electric shock or life-threatening injuries.

 **WARNING: Ground Fault Safety Warning**
If a ground fault occurs in the Battery Inverter, high voltage may appear on components that are normally not energized. **Accidental contact with these components can cause serious injury or death.**
Before Operating the system

- Check for ground faults: Ensure the system is free of any ground faults.
- Apply protective measures: Implement all required safety precautions before starting operation.

A ground fault can make normally safe parts dangerously live. Always verify system integrity and follow safety protocols to protect yourself and others.

 **WARNING: Live Line Measurement**

- There are high voltages in the equipment in the integrated Battery Inverter, and accidental touch may cause fatal electric shock hazards.
- During live measurement, take appropriate protection, such as wearing insulating gloves.
- There must be an accompanying person to ensure personal safety.

 **WARNING: Improper parameter settings**

- Improper parameter settings may affect the normal function realization of internal devices.
- Only authorized professionals can set the parameters.

 **WARNING: Regulatory Compliance**
The installation and various operations of the integrated PCS must comply with the relevant standards and regulations of the country/region where the project is located.

 **WARNING:** The inverter should not be directly connected to life support equipment or medical equipment.

Personal Protective Equipment



Safety Rubber Shoes



Helmet



Rubber Gloves



Safety Clothing



Goggles

Required tools for Battery Cabinet 107 kWh & Battery Inverter



WARNING! Use only insulated tools



Torque wrench with 7mm, 10mm, 16mm, 17mm, 18mm, 19mm sockets



Wire Cutter



Crimping tool



Phillips screwdriver M4, M6, M10 L= 230 mm



Heat gun



Multimeter ($\geq 1000 V_{DC}$)



Cable Stripper



Wire Stripper



Drill ($\varnothing 10$ mm drill)



Box Cutter



Pipe Cutter



Ladder



Rubber Hammer



Slotted Screwdriver (10 mm slot)



Slotted Screwdriver for Terminal Block Screws (2 mm slot)



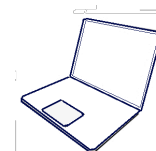
Adjustable Wrench



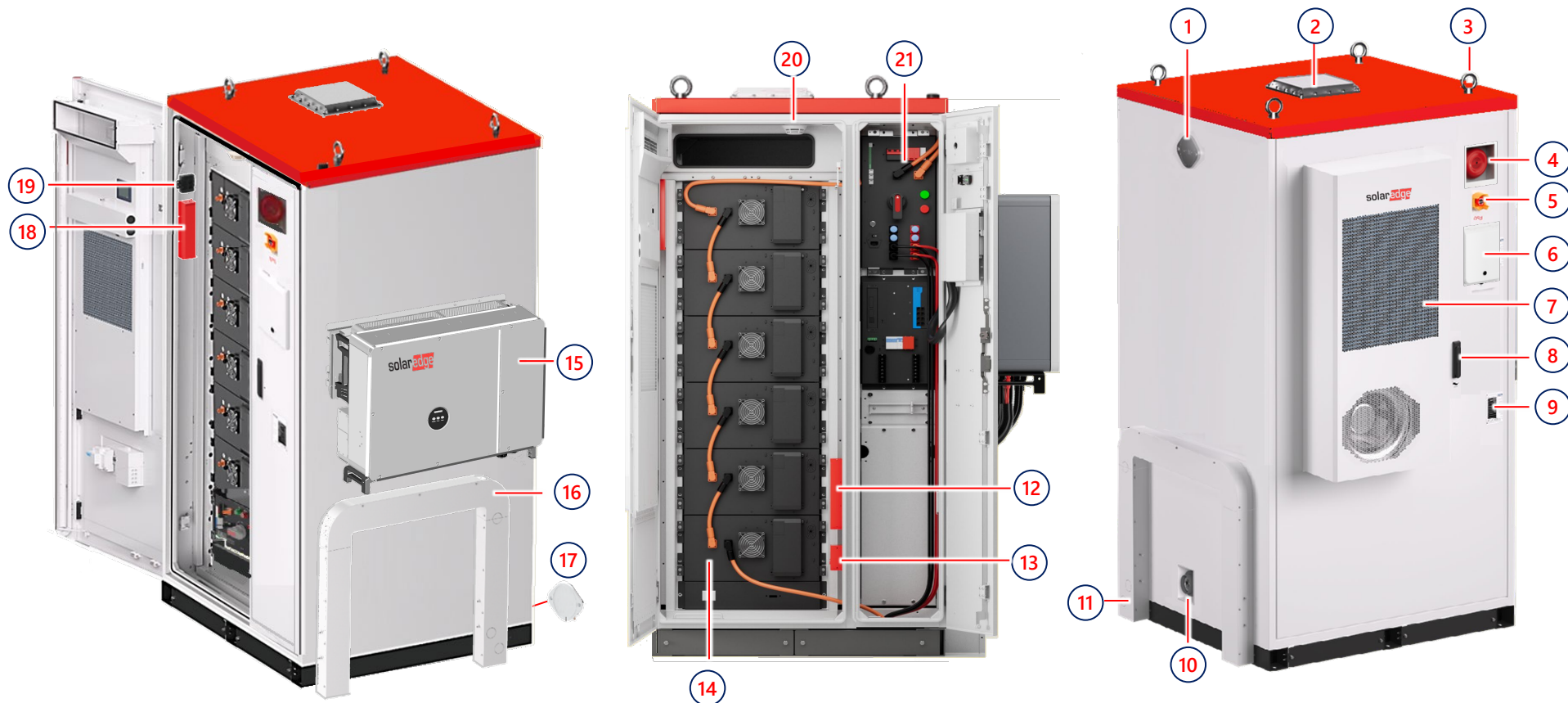
Open-end torque wrench



32GB Flash Drive



Laptop Computer



1. Exhaust Valve
2. Explosion Relief Panel
3. Four Eye Bolts
4. Acoustic-Visual Alarm
5. Emergency Power Off (EPO) Switch
6. CSS Local Interface Display (EMS)
7. Heating, Ventilation, and Air Conditioning (HVAC)

8. Door Lock
9. Nameplate
10. DM65 Fire Fighting Valve
11. Wiring Duct (optional)
12. Aerosol Fire Extinguisher 1
13. Fire Suppression Control Box
14. Energy Module (x6)

15. Battery Inverter
16. Wiring Duct
17. Intake Valve (on back side of cabinet)
18. Aerosol Fire Extinguisher 2
19. CO Detector
20. Smoke Detector
21. Battery Management System (BMS)

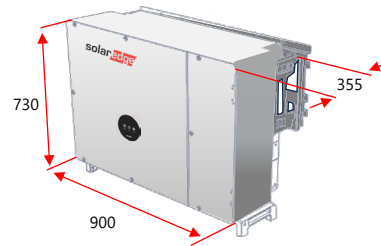
Battery Cabinet 107 kWh



1435 KG

Battery Inverter 30/50 kW

*Without a mounting bracket



93.3 KG

Battery Inverter 30/50 kW

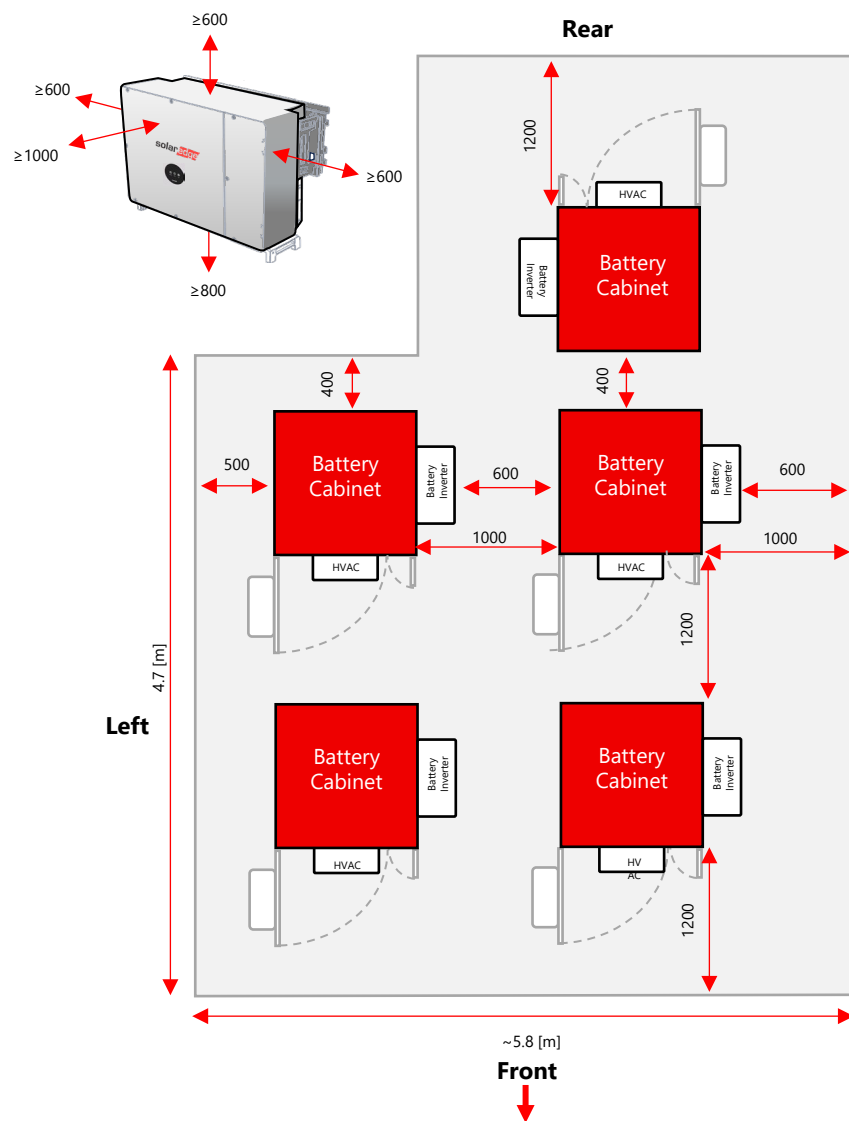
Battery Cabinet 107 kWh

*Assembled dimensions with mounting a bracket



1528.3 KG

All dimensions are in [mm]



Default Layout & Clearance Distances (Top & front view)

All dimensions w/o units are in [mm]



CAUTION! Cables should be positioned at least 30 mm away from heating devices or the periphery of heat source areas.

- Do not expose the battery to high temperatures or heating devices such as sunlight, fire, transformers, heaters, etc.
- Overheating of the battery can lead to an explosion.
- Burning the battery is strictly forbidden, as it may cause an explosion.
- Disassembling, modifying, or damaging the battery (such as inserting foreign objects or immersing it in water or other liquids) is strictly forbidden to prevent battery leakage, overheating, fire, or explosion.



WARNING! To avoid flood damage and safety hazards, the cabinet must be installed on a concrete platform with a minimum height of 300 mm.



Right

Above ground: Minimum 300

Below ground: Minimum 400



NOTES!

- Local codes and regulations could extend the required clearances beyond what is specified in this manual
- Before proceeding with installation, consult with relevant authorities to ensure compliance with local regulations concerning clearance distances.

CAUTION

1. The installation, use, and operation of outdoor equipment and cables, including but not limited to the movement of equipment, operation of devices and cables, connection or disconnection of signal interfaces exposed to outdoor conditions, and work at heights. Outdoor installations are strictly prohibited during severe weather conditions such as lightning, rain, snow, or high winds.
2. Avoid installing the equipment near underground facilities like underwater pipes and air outlets or in places prone to condensation. Additionally, steer clear of areas susceptible to water leakage, such as around air-conditioning outlets, vents, and outlet windows in the machine room. This will help prevent liquids from entering the equipment and causing malfunctions or short circuits.
3. Avoid installing the equipment in areas with poor geological conditions, such as rubbery or weak soil, waterlogged ground, or regions susceptible to land subsidence. When installing in a sandy environment, increase the frequency of routine maintenance for the battery vent and HVAC systems: perform a visual inspection weekly and clean as needed based on observed conditions.
4. Do not place the equipment or operate it in a flammable environment or an environment that contains explosive gas or smoke.
5. Avoid installing the battery cabinet in sandy environments.
6. Avoid installing the battery cabinet on unstable or vibrating foundations.
7. Do not install the battery cabinet in a working environment with metal conductive dust.
8. When the equipment is running, do not cover the vents or heat dissipation system to prevent fire due to high temperature.



CAUTION! For indoor installations ventilated room is required.



CAUTION! CSS – OD solution must be installed: >2km from the sea, when installed in an outdoor location, or >1km when installed in indoor locations.



NOTE Battery Cabinet & Battery Inverter max noise is <65 dBA @ 1 meter distance.



CAUTION! When Installed in indoor locations consider heat dissipation values of all installed devices when choosing appropriate room / space for their installation.

Battery Cabinet

Max Power	Heat Dissipation
50 kW	~0.87 kW (2970 BTU/h)
30 kW	~0.87 kW (2970 BTU/h)

Battery Inverter

Max Power	Heat Dissipation
50 kW	~1.35 kW (4606.2 BTU/h)
30 kW	~0.75 kW (2559 BTU/h)

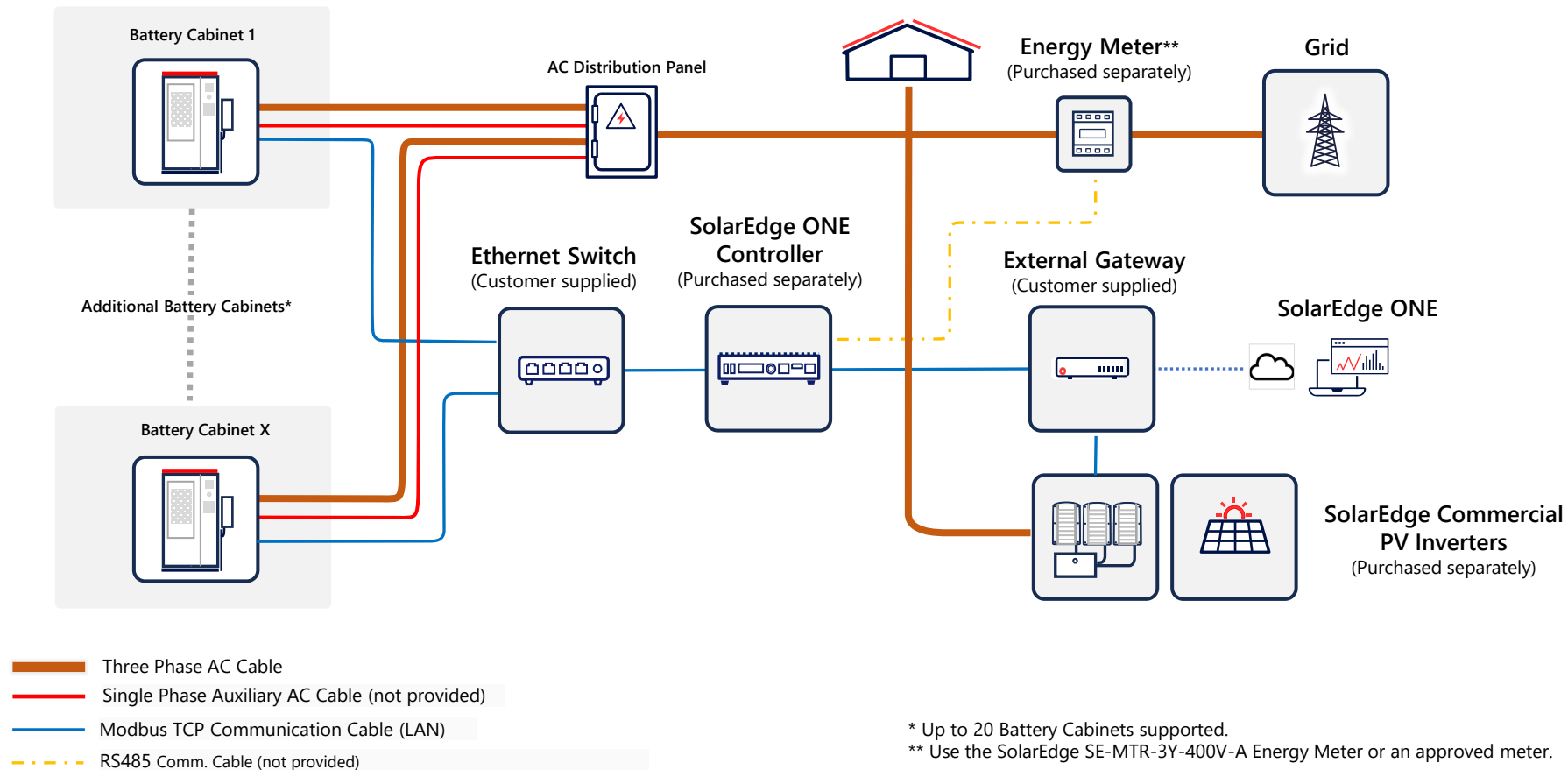


IMPORTANT NOTE!

1. Communication cables and power wires **must** be laid separately (DC and AC loops).
2. The distance between control/communication and power cables must be greater than 300mm.
3. In cases when control cables cross power cables, validate that the angle between the two cables is kept at 90°.
4. The recommended minimum distance between parallel shielded data cables and power cables is shown below:

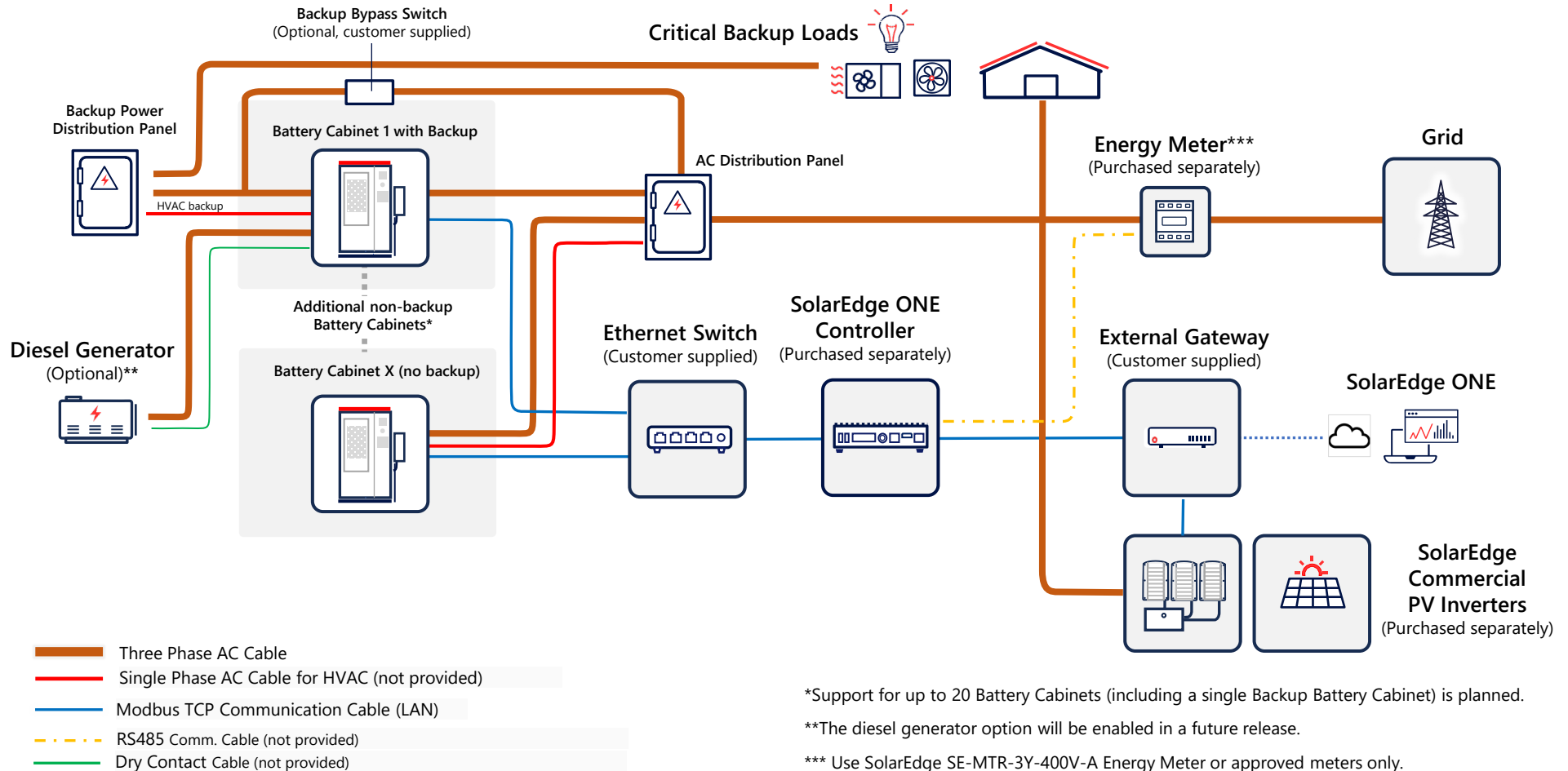
Parallel length (m)	Min space distance (m)
200	0.15
300	0.5
500	1.2

IMPORTANT NOTE: The battery cabinet requires an active internet connection for commissioning and monitoring. Before installing the battery cabinet, verify that the **Internet service is reliable**. Do not connect the battery until connectivity is confirmed. Failure to do so may result in commissioning failure, loss of monitoring, missed alerts, or warranty issues.



Grid-tied with Backup - Site Power & Communication Solution

IMPORTANT NOTE: The battery cabinet requires an active internet connection for commissioning and monitoring. Before installing the battery cabinet, verify that the **Internet service is reliable**. Do not connect the battery until connectivity is confirmed. Failure to do so may result in commissioning failure, loss of monitoring, missed alerts, or warranty issues.



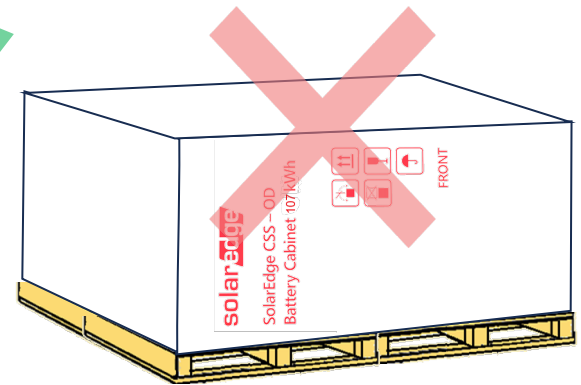
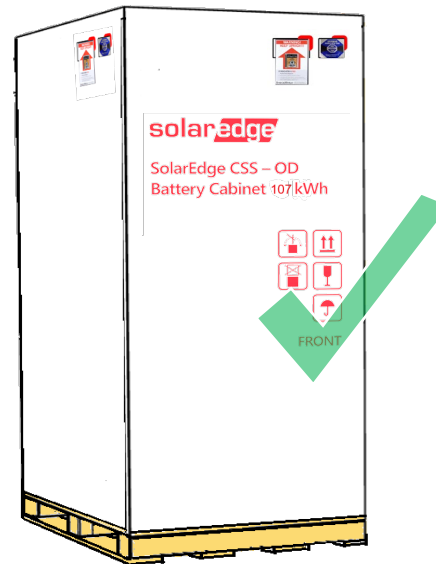
NOTES:

- Keep in upright position 
- Before opening, validate package integrity



IMPORTANT: Do not open damaged packages.
Contact SolarEdge to review the case.

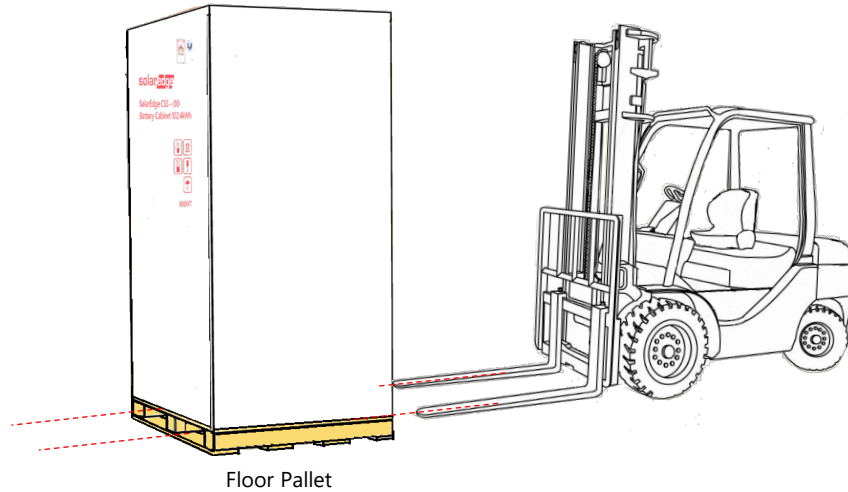
NOTE: For SolarEdge commercial Battery storage and transportation guidelines refer to:
<https://knowledge-center.solaredge.com/sites/kc/files/se-commercial-battery-storage-transportation-and-storage-guideline-90kwh-eng.pdf>

**NOTES: For Battery Cabinet Package**

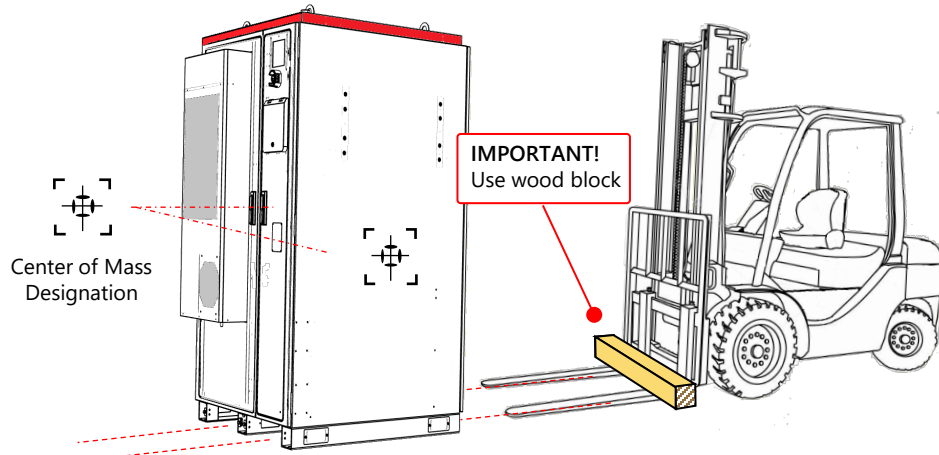
- Verify that the shock and tilt label sensors, on the front and right sides of the package, show green indication.
- When opening package, check the integrity of the fire safety solution. If aerosol gas was ejected due to any fault occurred during transportation the battery cabinet shall be replaced.
- If one of the sensors is red, please contact SolarEdge and do not open the package.



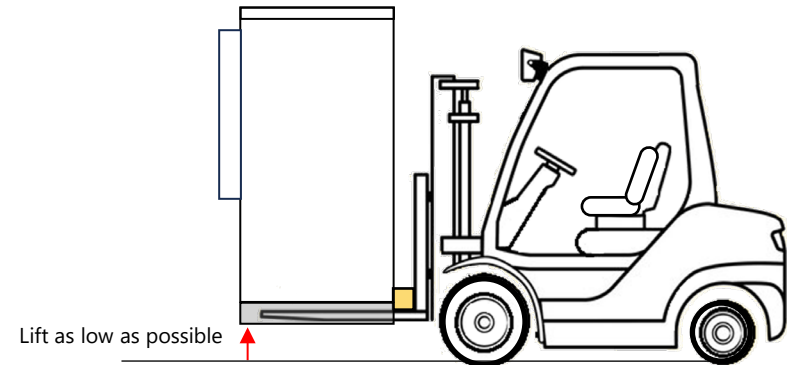
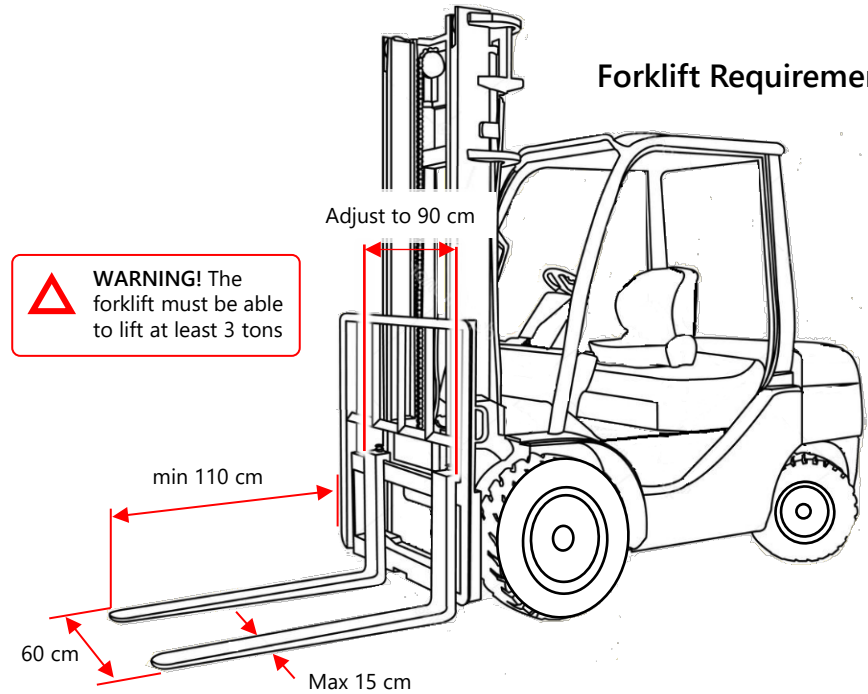
Transporting Battery Cabinet with the Wooden Box



Transporting Battery Cabinet Standalone



Forklift Requirements



HOISTING REQUIREMENTS

WARNING!

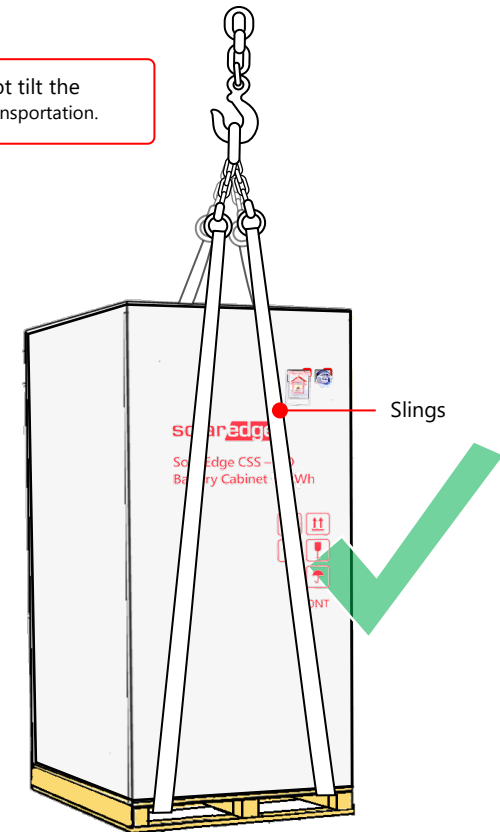
1. A trained and qualified lifting personnel is required.
2. Do not operate a hoist if severe weather or wind is apparent when conducting hoisting outdoors.
3. Keep unauthorized people from entering the area and standing under crane boom.
4. Ensure that the crane and slings meet the load-bearing requirements.
5. To prevent the cabinet from scratching, do not drag it when installing and removing hoisting equipment.
6. Check to ensure that the hoisting tools are in good condition.
7. Ensure that all the doors of the equipment are closed and locked during transportation.

Standalone Battery Cabinet Crane Transportation

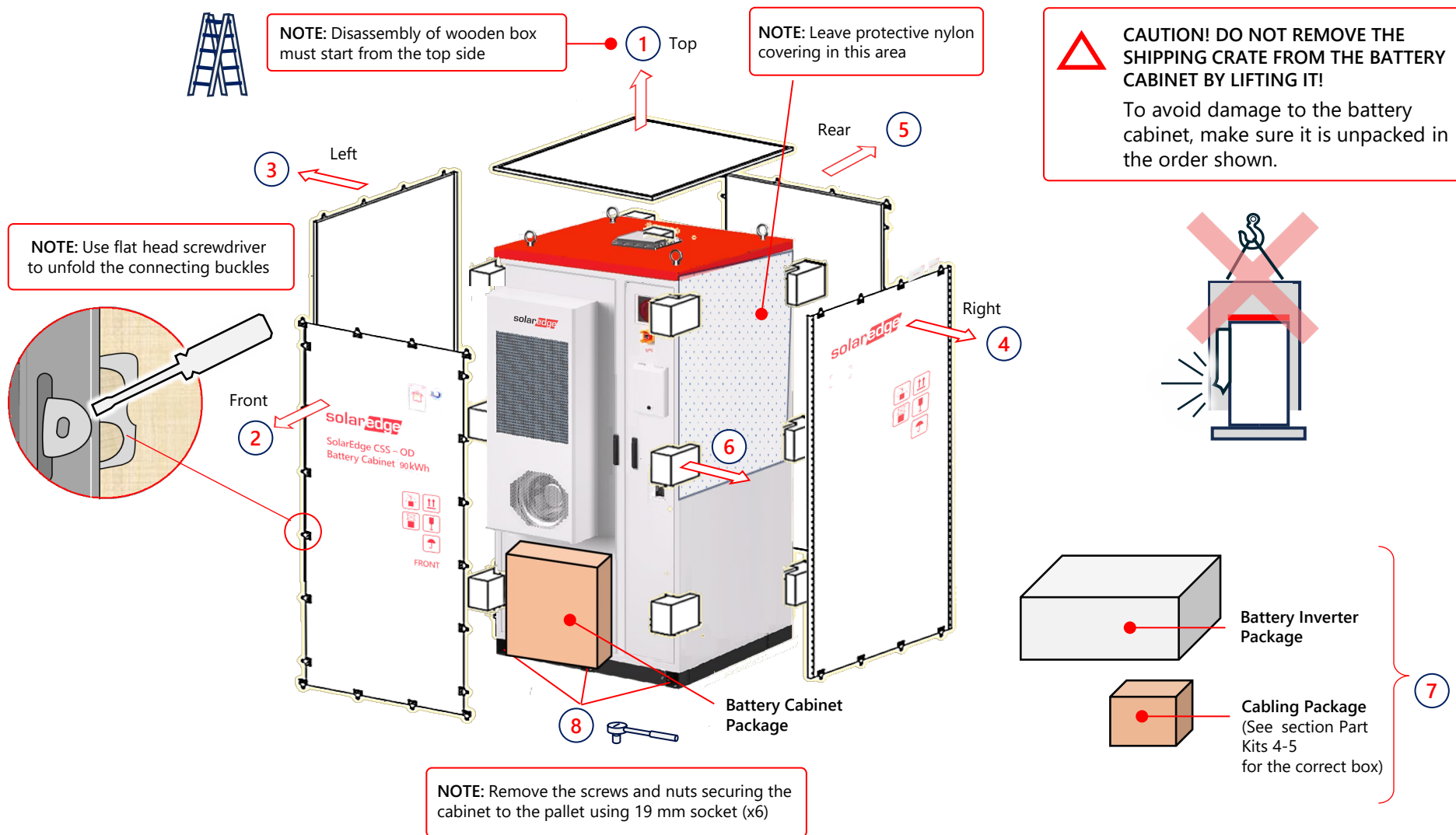


WARNING! Do not tilt the cabinets during transportation.

Packaged Battery Cabinet Crane Transportation



Unpacking Battery Cabinet

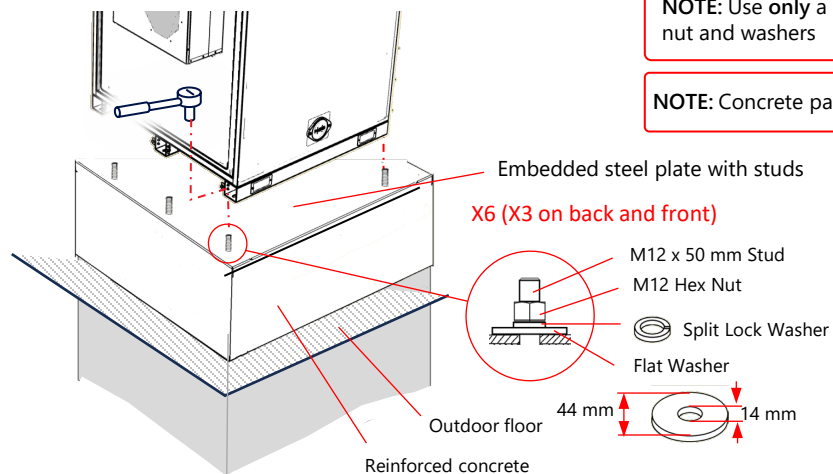


Option 1: Unified Concrete Platform Base with Embedded Steel Plate with Studs

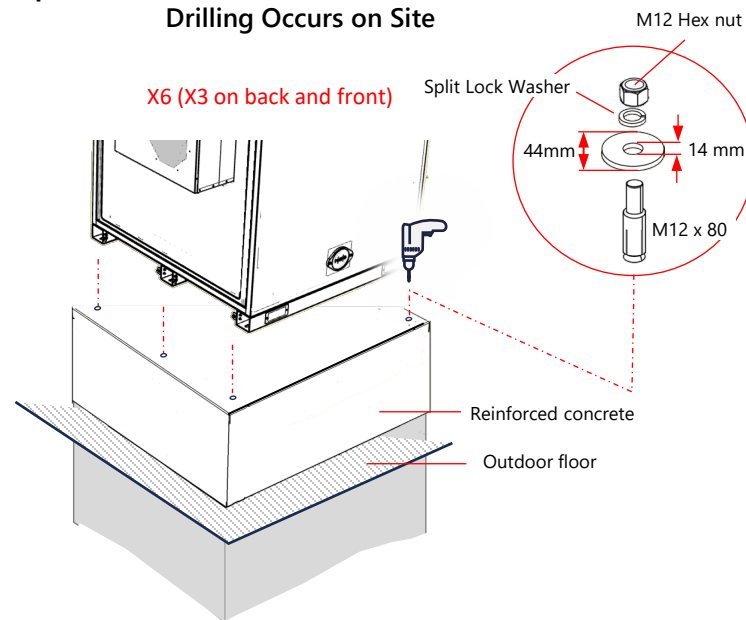
NOTE: Bolts, nuts, and washers are not supplied. Torque depends on the mounting pad. For concrete pads use 60 Nm.

NOTE: Use **only** a stainless steel 12.8 grade nut and washers

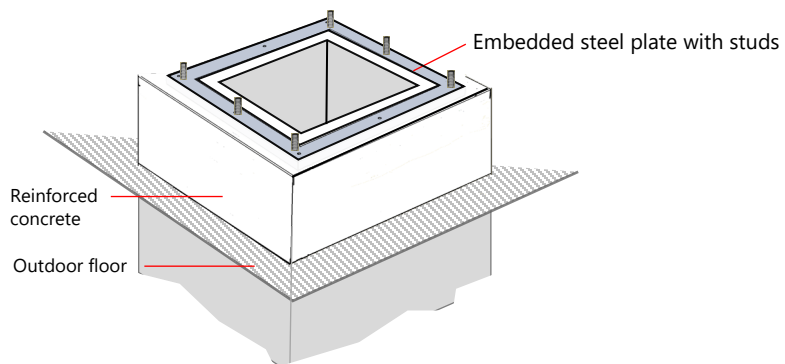
NOTE: Concrete pad guidelines are in Appendix B



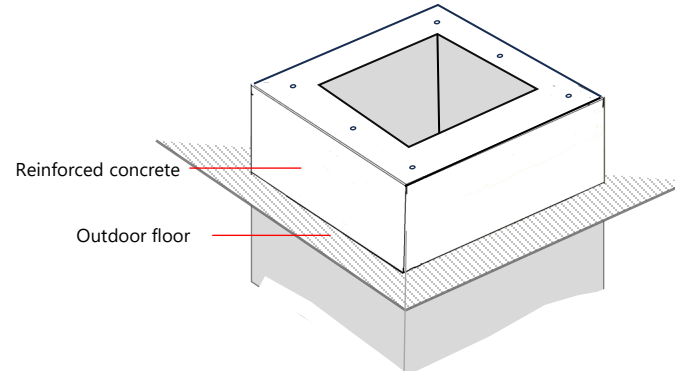
Option 3: Unified Concrete Platform Base with Drilling Occurs on Site



Option 2: Hollow Concrete Platform Base with Embedded Steel Plate with Studs



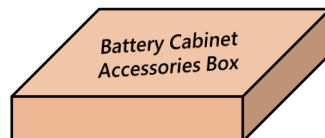
Option 4: Hollow Concrete Platform Base with Drilling Occurs on Site



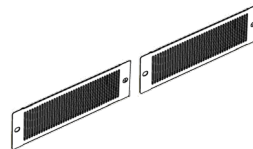
Battery Cabinet Package Contents (Inside Accessories Box)



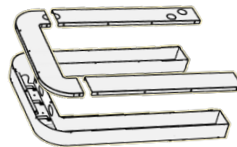
PAY ATTENTION!
All Cables are marked
with a designation label



Forklift Slots Covers (x4) (Y)
(Outside Accessories Box)



Battery Cabinet
Wiring Duct (G)

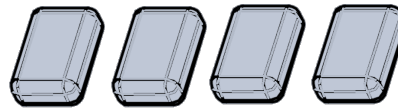


PE cable (0.7m) (E)



Battery Cabinet Package Contents (Inside Battery Cabinet)

Sealant (x4) (H)



Corrugated Plastic
Conduit ø34.5 mm (I)



Corrugated Plastic
Conduit ø21 mm (J)

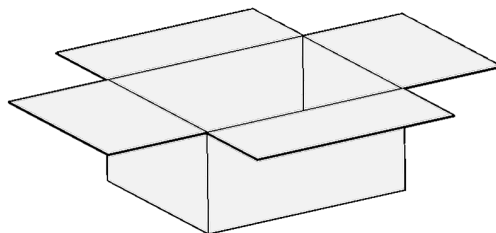
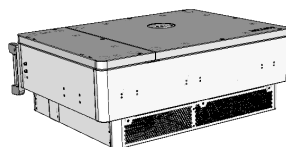


Battery Inverter Package Contents

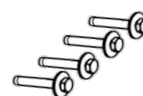
Battery Inverter
Mounting Bracket kit (K)



Battery Inverter



Bracket M10 Mounting
Bolts (x12 - 8 on
cabinet wall) (Q)



Bracket Lock
M6 Bolts
(x2) (R)



Bracket
Assembly Bolts
(x4) (P)



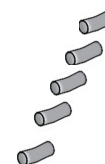
Right-angled Trox
Star Allen key



M6 Lugs (x15) (S)



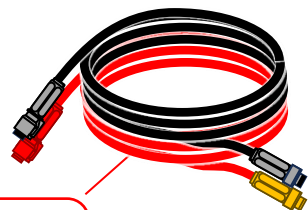
Cables Shrinks
(x15) (T)



NOTE: These lugs are compatible with class 2 wires. Please ensure you provide your own lugs if class 5 or 6 wires are used on site.

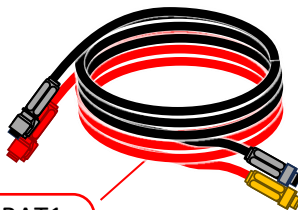
Cabling Package Contents

Battery Cabinet to Battery Inverter DC Cables (3m) (B)



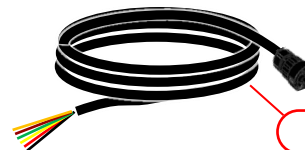
BAT2

Battery Cabinet to Battery Inverter DC Cables (3m) (A)



BAT1

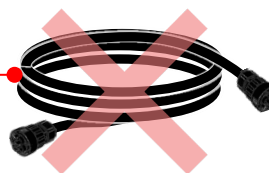
Battery Cabinet to Battery Inverter COM cable (3.5m) (C)



PCS-COM

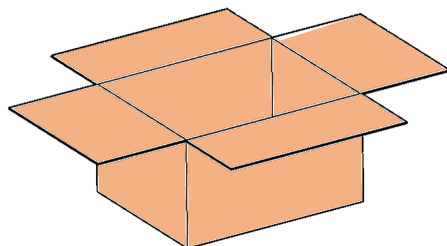
PAY ATTENTION!
All Cables are marked with a designation label

PCS-PARA1/2 Cable

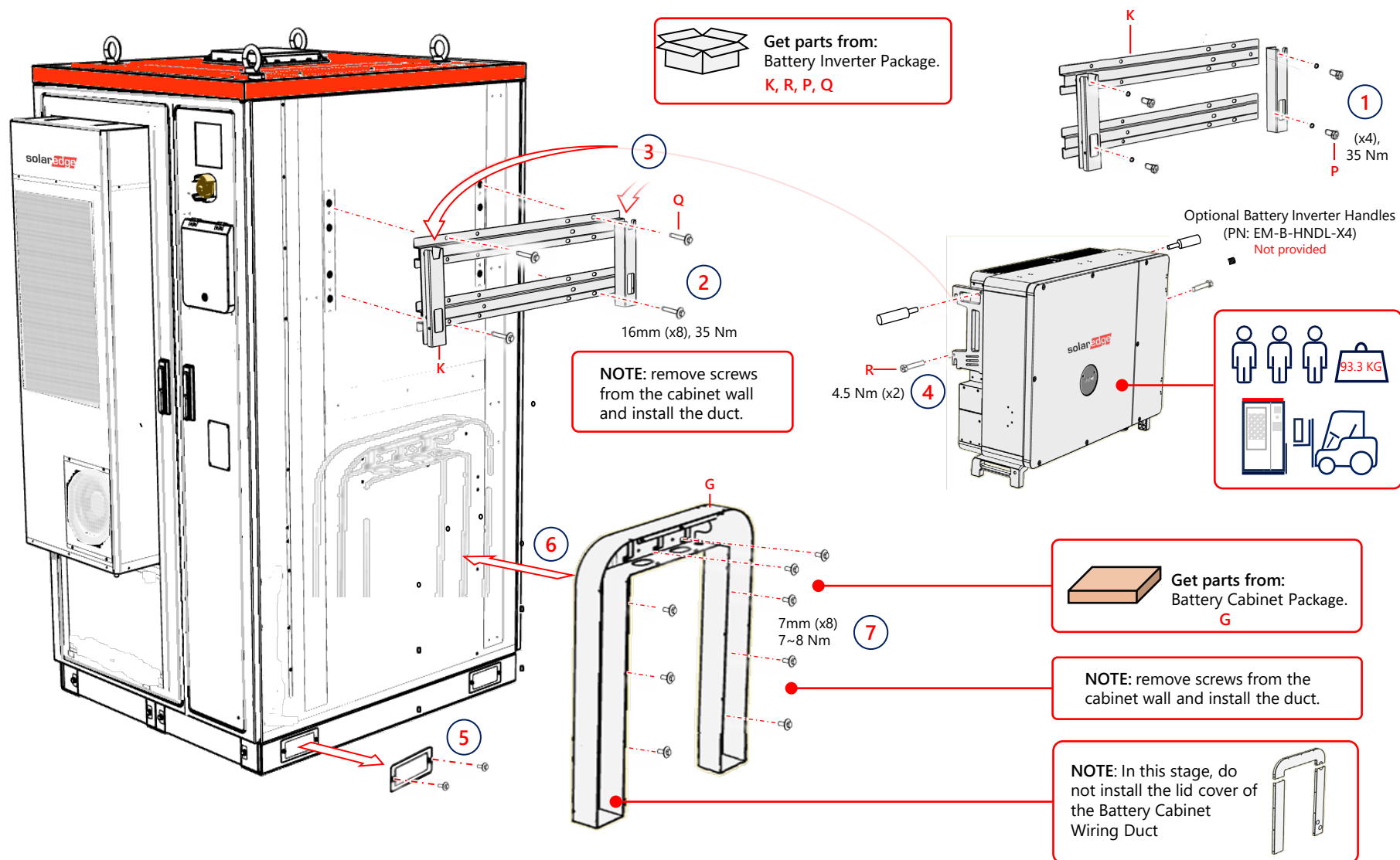


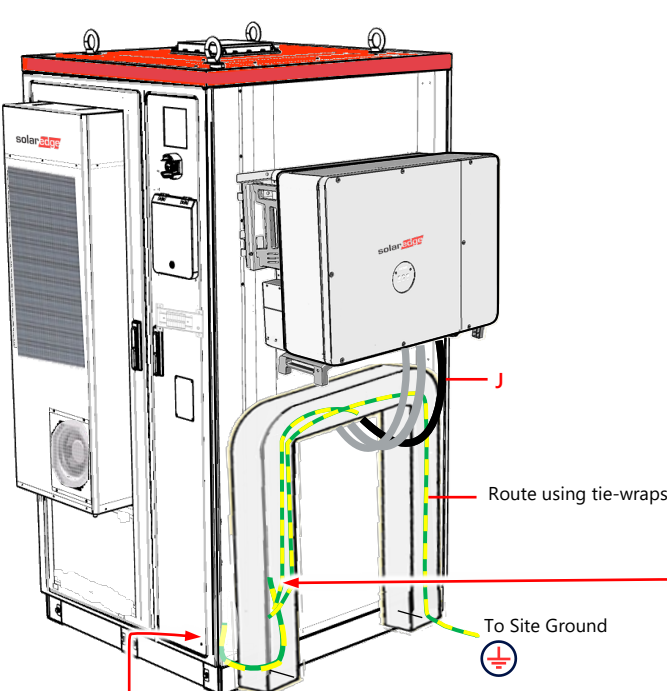
NOTE: THIS PROVIDED CABLE SHOULD NOT BE USED

DO NOT USE!

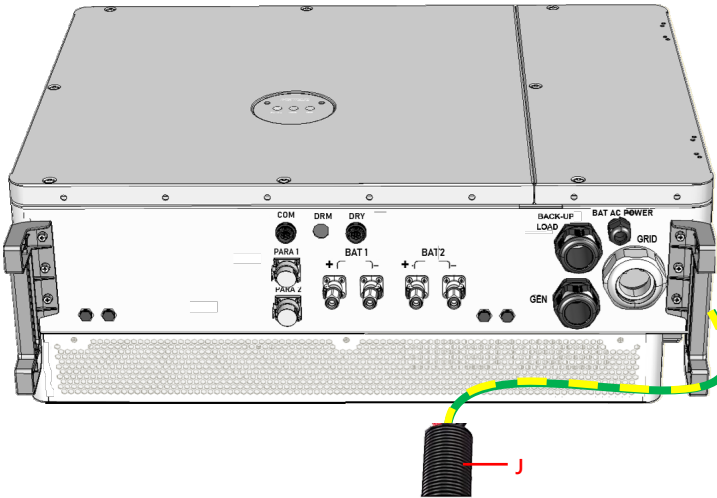


Mounting Battery Inverter onto the Battery Cabinet

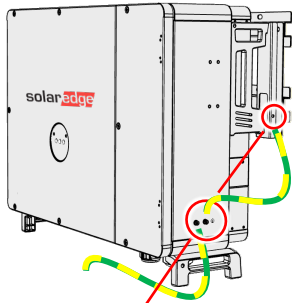




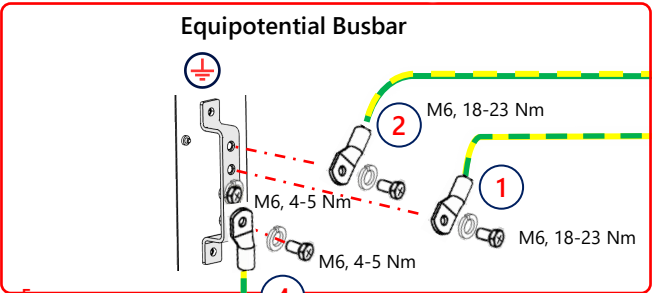
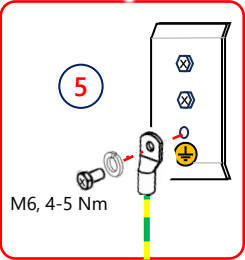
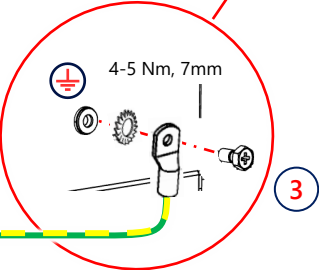
Battery Inverter



Get part from:
Battery Inverter
Package
E



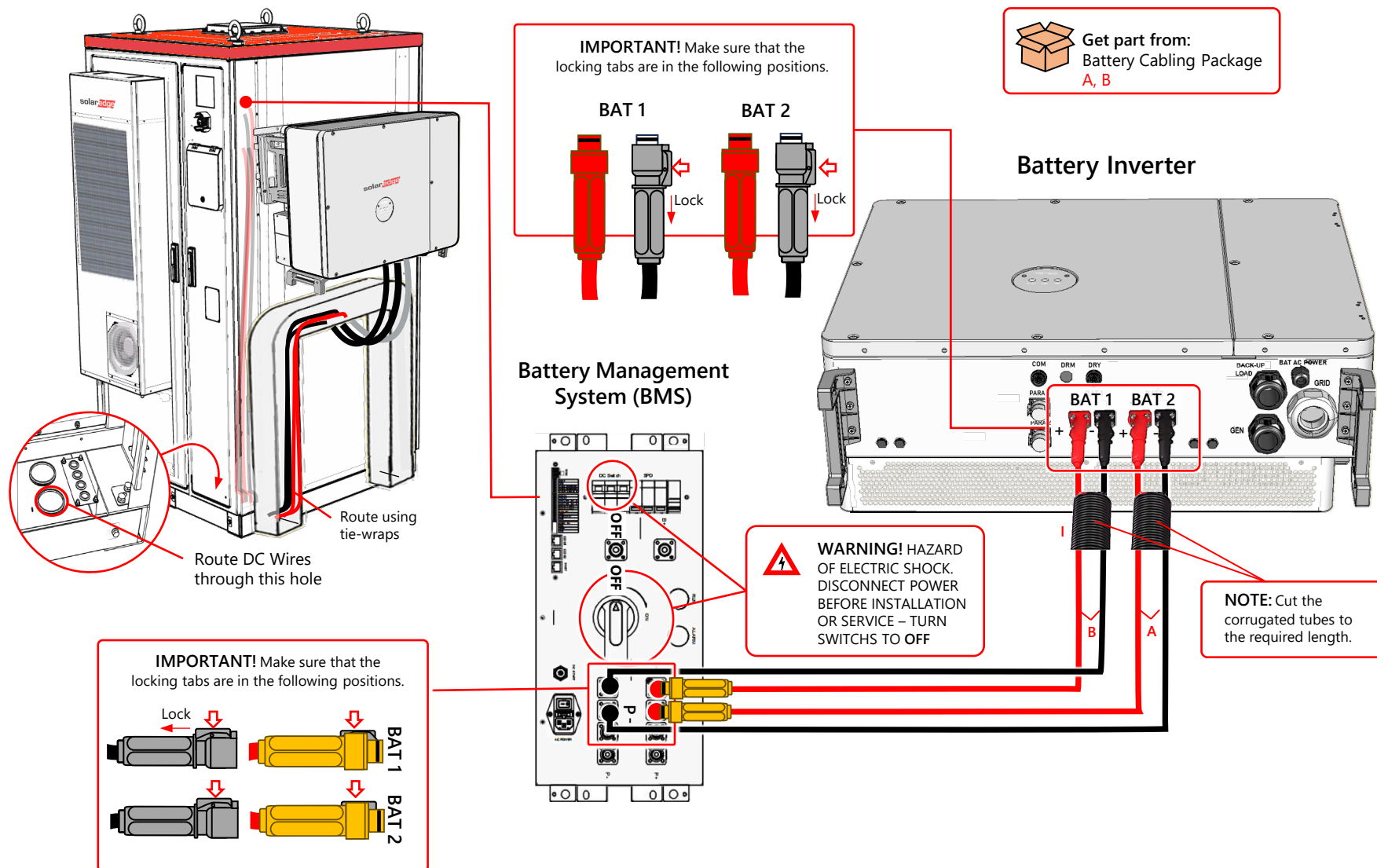
NOTE: Cut the
corrugated tubes to
the required length.

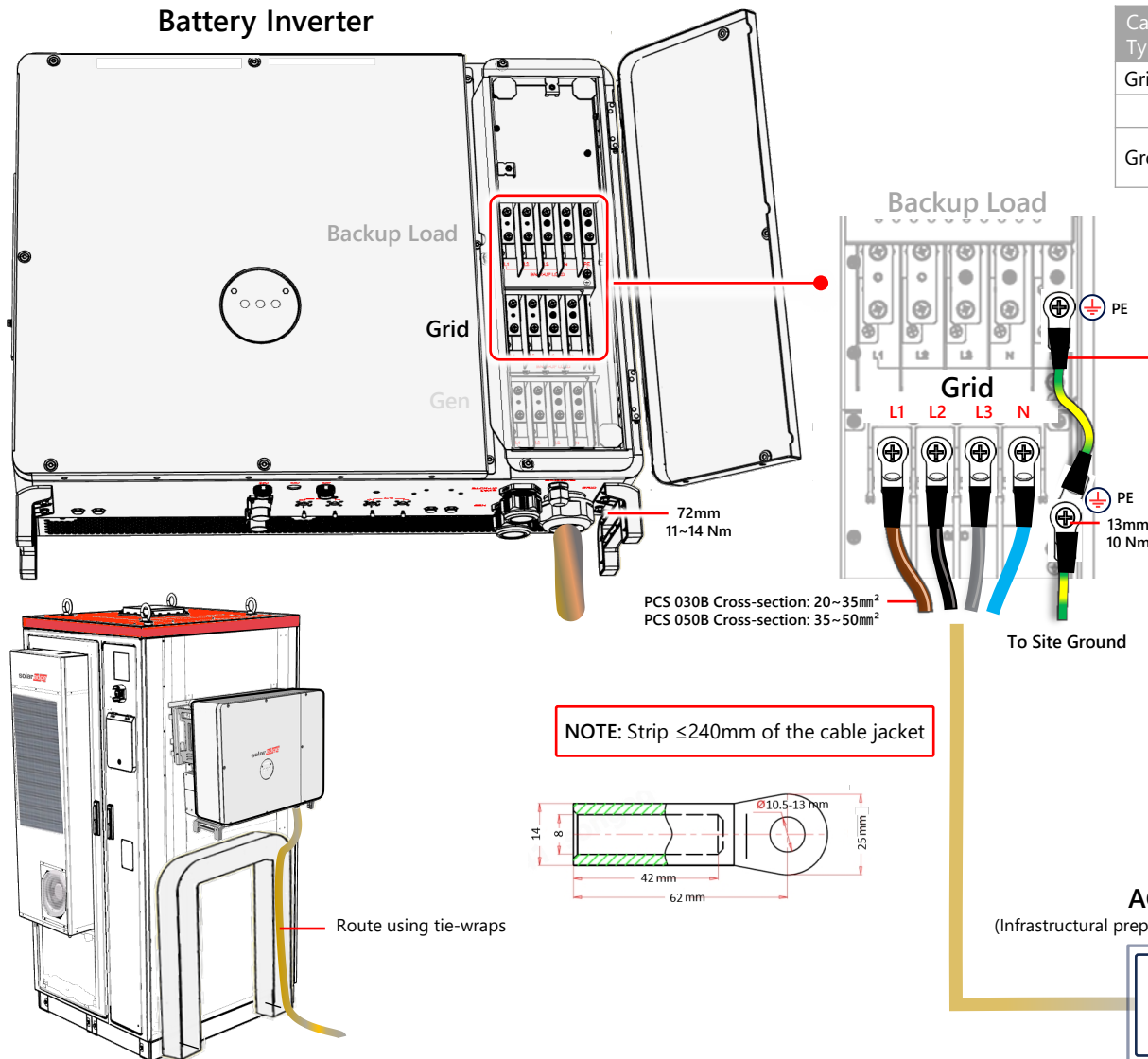


25 mm², M6 lug
(Not supplied)

Site Ground

Battery Inverter to Battery Cabinet DC Wiring





Cable Type	Max Current (per phase)	Wire Cross-section (mm ²)	Proposed Diameter (AWG)	Lug size
Grid	87A (PCS 030B)	20~35 mm ²	2~4 AWG	M6
	144A (PCS 050B)	35~50 mm ²	2 AWG	M8
Ground		<16 mm ²	5~6 AWG	M6



WARNING! To ensure proper and safe grounding, a Ground wire must be connected between the Backup Load and Grid PE terminals.

IMPORTANT! It is the installer's responsibility for the installation to comply with all local regulations, standards (wiring, safety etc.)

NOTES: Cable properties: (Not supplied)

- Multi-stranded class 5 or 6 flexible **copper** conductors
- Lugs fit class 2 cables. For class 5 or 6, bring your lugs.
- To keep the gland sealed, use 5C or 4C cable type. (3ph+N+PE)

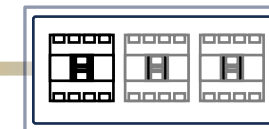


WARNING! Connect the ground wires in accordance with local regulations.

NOTE: Recommended Grid circuit breaker parameters: 3P 200A/400VAC. If required by local regulation, use type A, 300 mA RCD

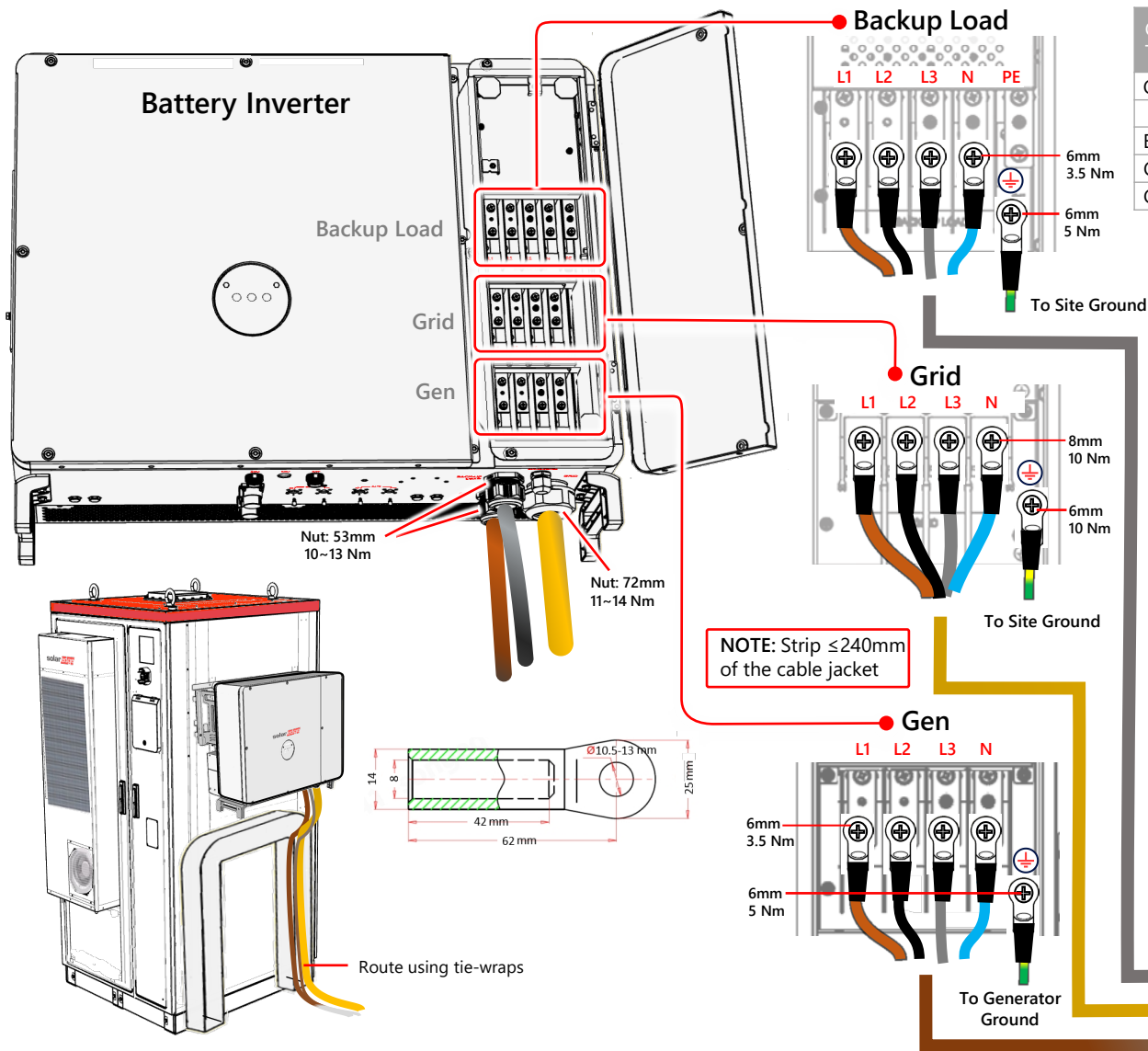
AC Distribution Panel

(Infrastructural preparation of the client, not supplied by SolarEdge)



Grid

AC Wiring of Battery Inverter with Backup



Cable Type	Max Current (per phase)	Wire Cross-section (mm ²)	Proposed Diameter (AWG)	Lug Size
Grid	87A (PCS 030B)	20~35 mm ²	2~4 AWG	M6
	144A (PCS 050B)	35~50 mm ²	2 AWG	M8
Backup Load	110A	16~20 mm ²	4~6 AWG	M6
Generator	110A	16~20 mm ²	4~6 AWG	M6
Ground		<16 mm ²	5~6 AWG	M6

NOTE: Cable properties: (Not supplied)

- Multi-stranded class 5 or 6 flexible **copper** conductors
- Crimp-provided M6 lugs for the generator and backup load wires. Lugs fit class 2 cables. For class 5 or 6, bring your lugs.
- To keep the gland sealed, use 5C or 4C cable type. (3ph+N+PE)



WARNING! Connect the ground cables in accordance with local regulations.

NOTE:

- Recommended Grid circuit breaker parameters: 3P 200A/400VAC. If required by local regulation, use type A, 300 mA RCD
- Recommended Backup Load and Generator circuit breaker parameters: ≥ 125 A/ ≥ 400 VAC

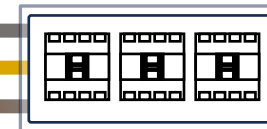


WARNING! When the Inverter runs in a TN-C-S system:

- The neutral (N) and protective earth (PE) must be separated before connecting to the backup Inverter and the backed-up loads.
- This separation is done at the main distribution point, where the system transitions from TN-C-S to TN-S.
- After this point, no additional neutral-to-ground connections are allowed.

AC Distribution Panel

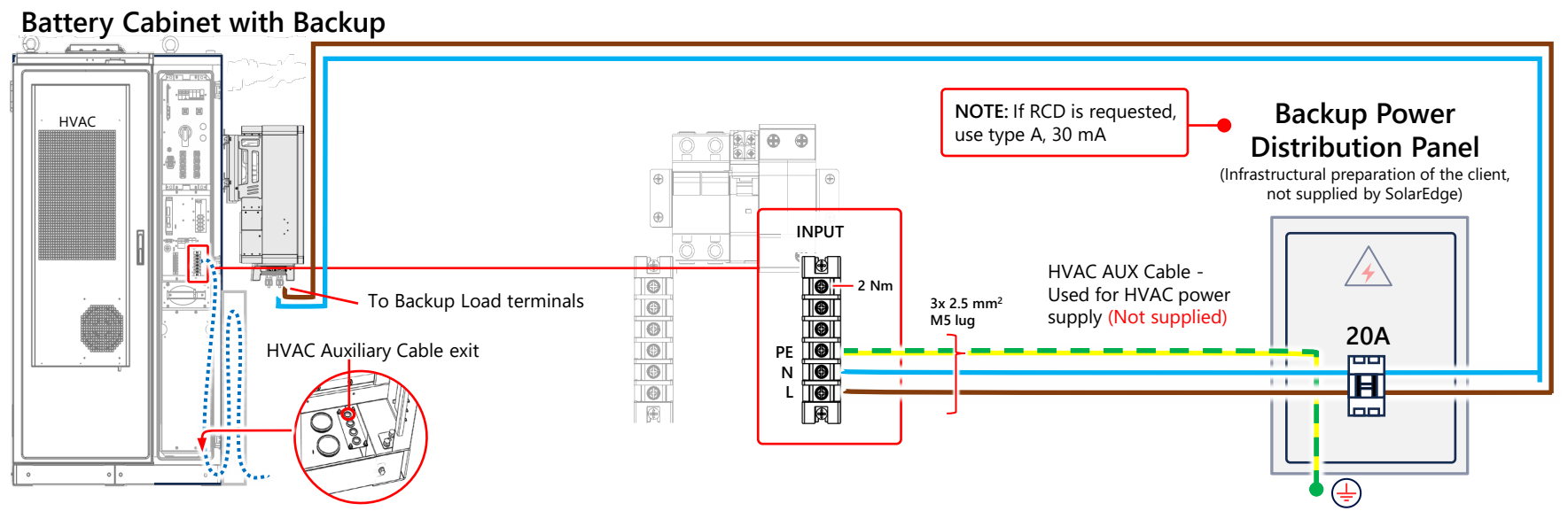
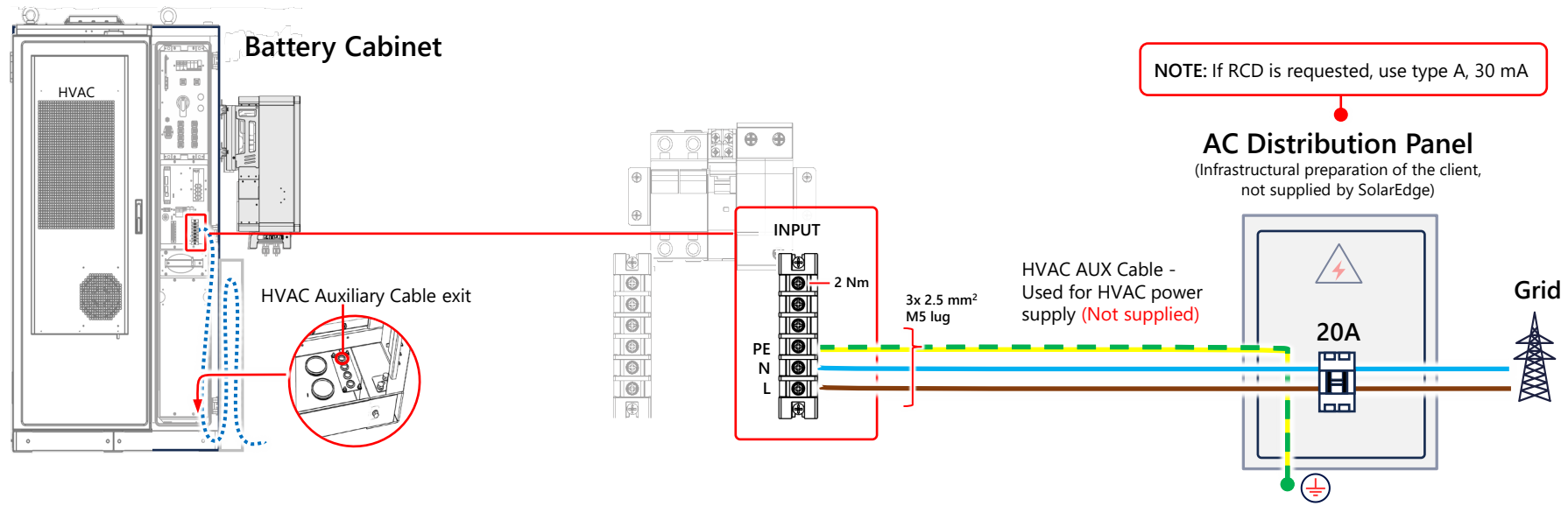
(Infrastructural preparation of the client, not supplied by SolarEdge)



Backup Load

Grid

Generator

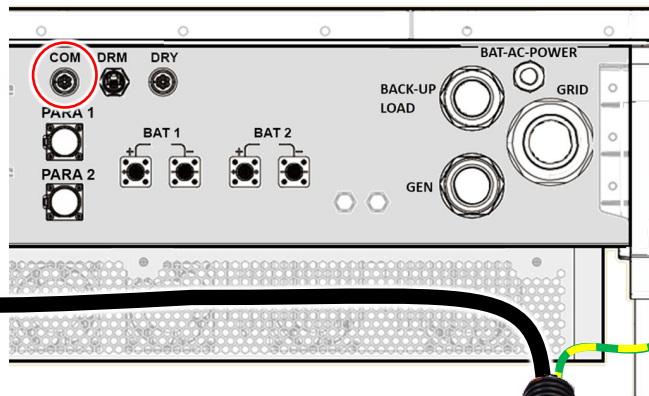


Wiring Communication between Battery Cabinet & Battery Inverter

COM Connector Wiring

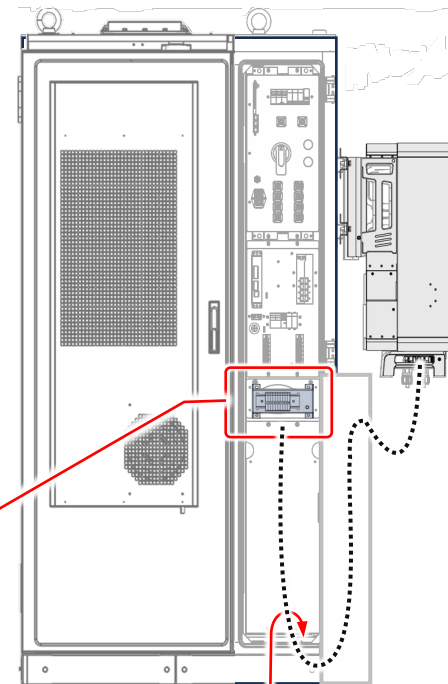
- Pin 2 REMS PCS 485 - A2: Brown
 - Pin 1 EMS PCS 485 - A1: Black
 - Pin 6 EMS PCS CANL: Red
 - Pin 5 EMS PCS CANH: Light Brown
 - Pin 3 MBMU PCS CANH: Green
 - Pin 4 MBMU PCS CANL: Yellow
- Screws torque: 0.2 Nm

Battery Inverter

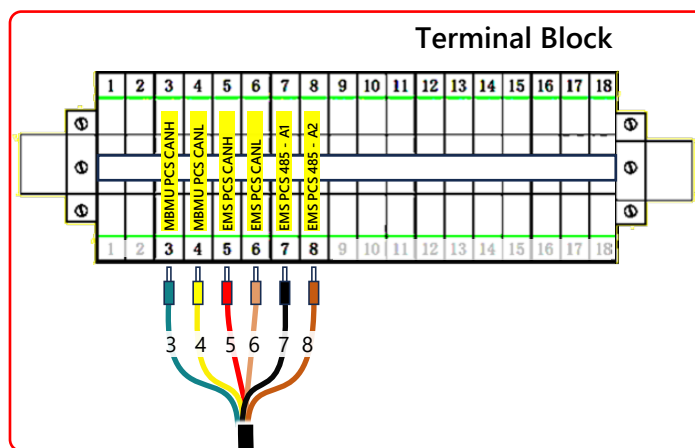


Get part from:
Battery Cabling Package C

Battery Cabinet

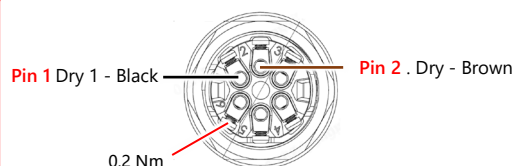


PCS-COM Cable

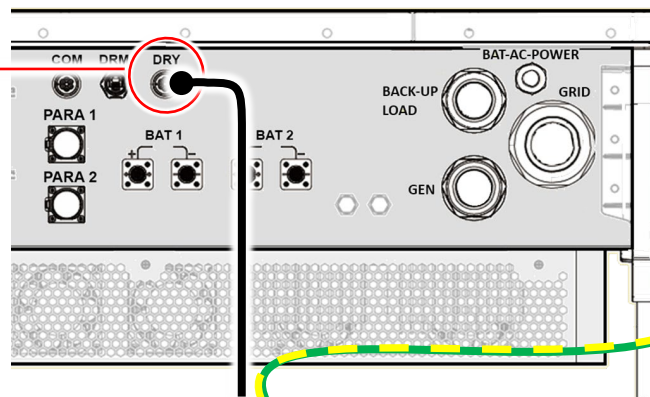


Wiring Communication Between Battery Cabinet & Diesel Generator

DRY Connector Wiring

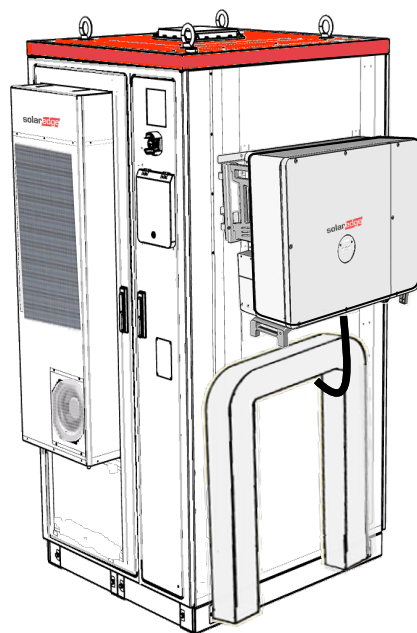


Battery Inverter



Get parts from:
Battery Cabinet Package **C** and **D**

Battery Cabinet



DRY Contact Communication Cable

Generator

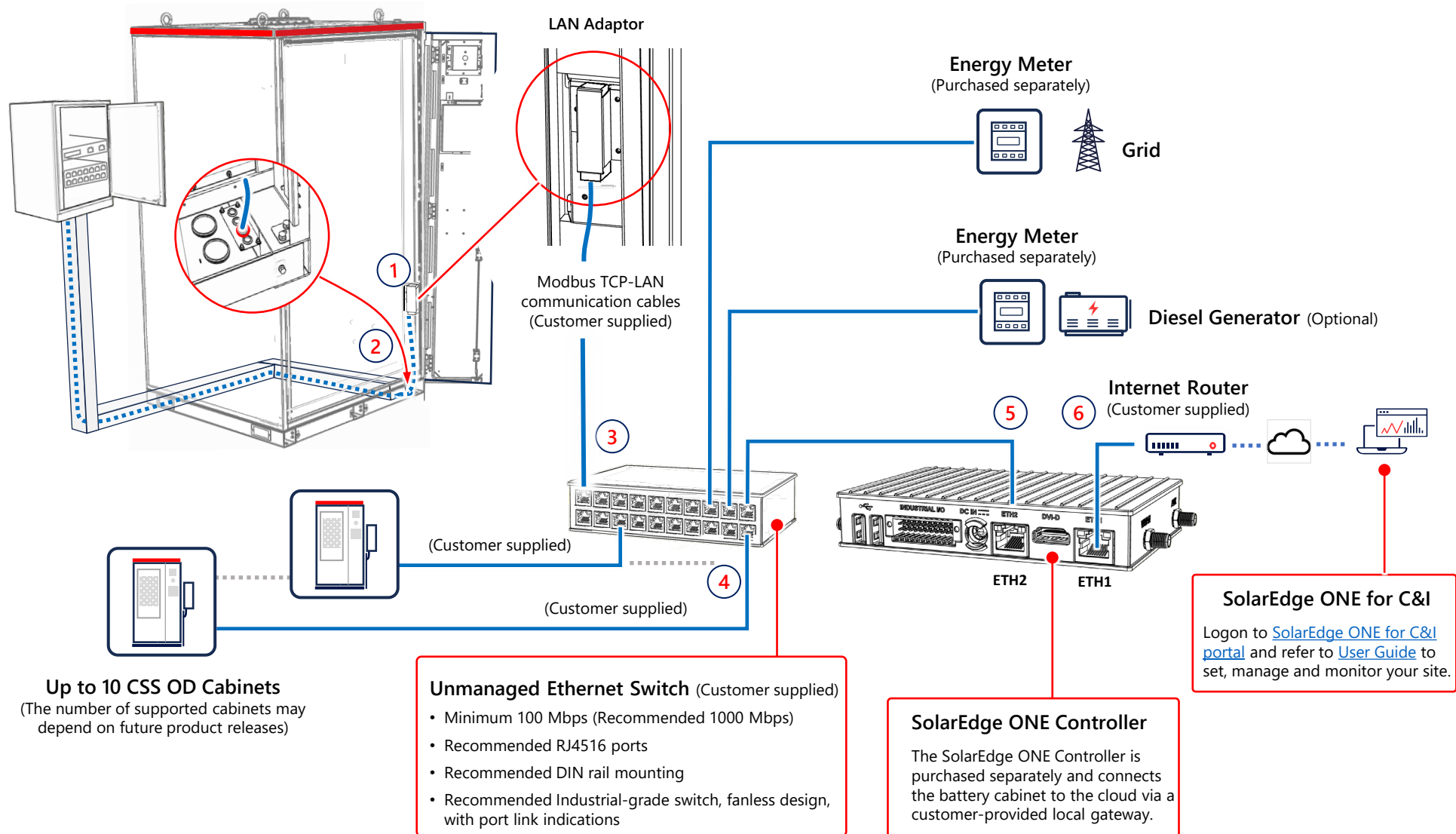


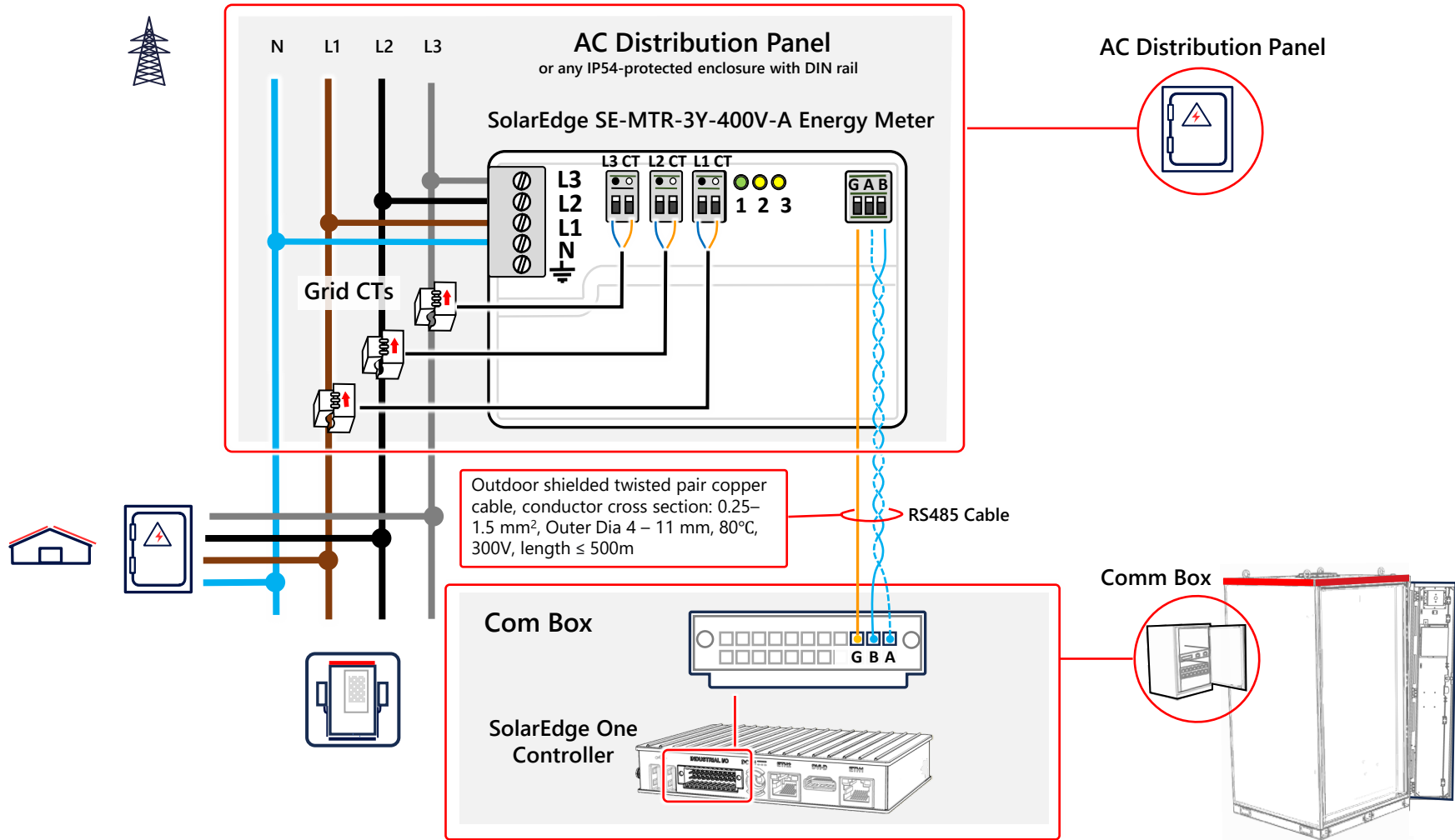
Generator Dry Contact (N.O)

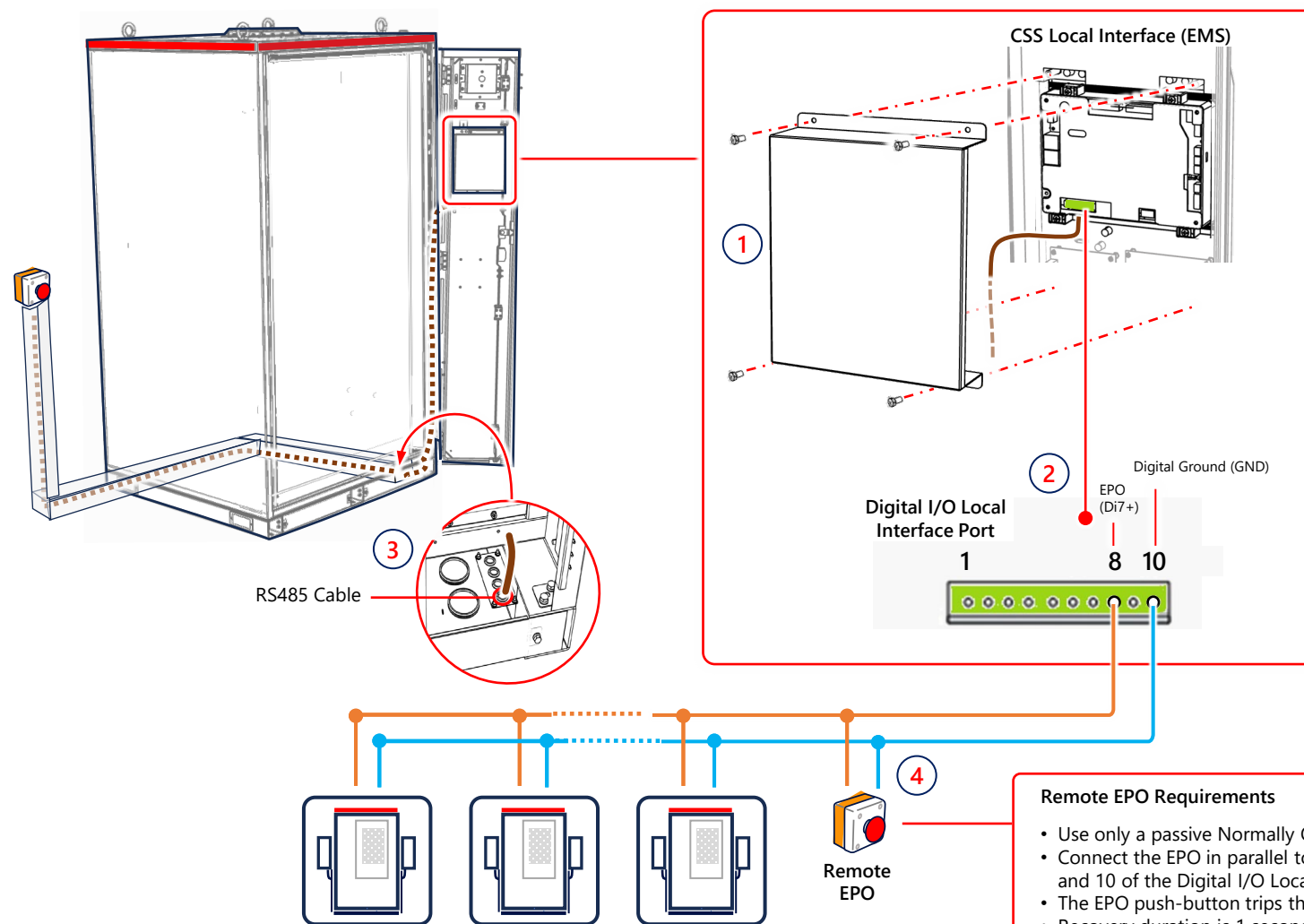


**The diesel generator option will be enabled in a future release.

Wiring Communication Between Battery Inverter(s) & SolarEdge ONE for C&I



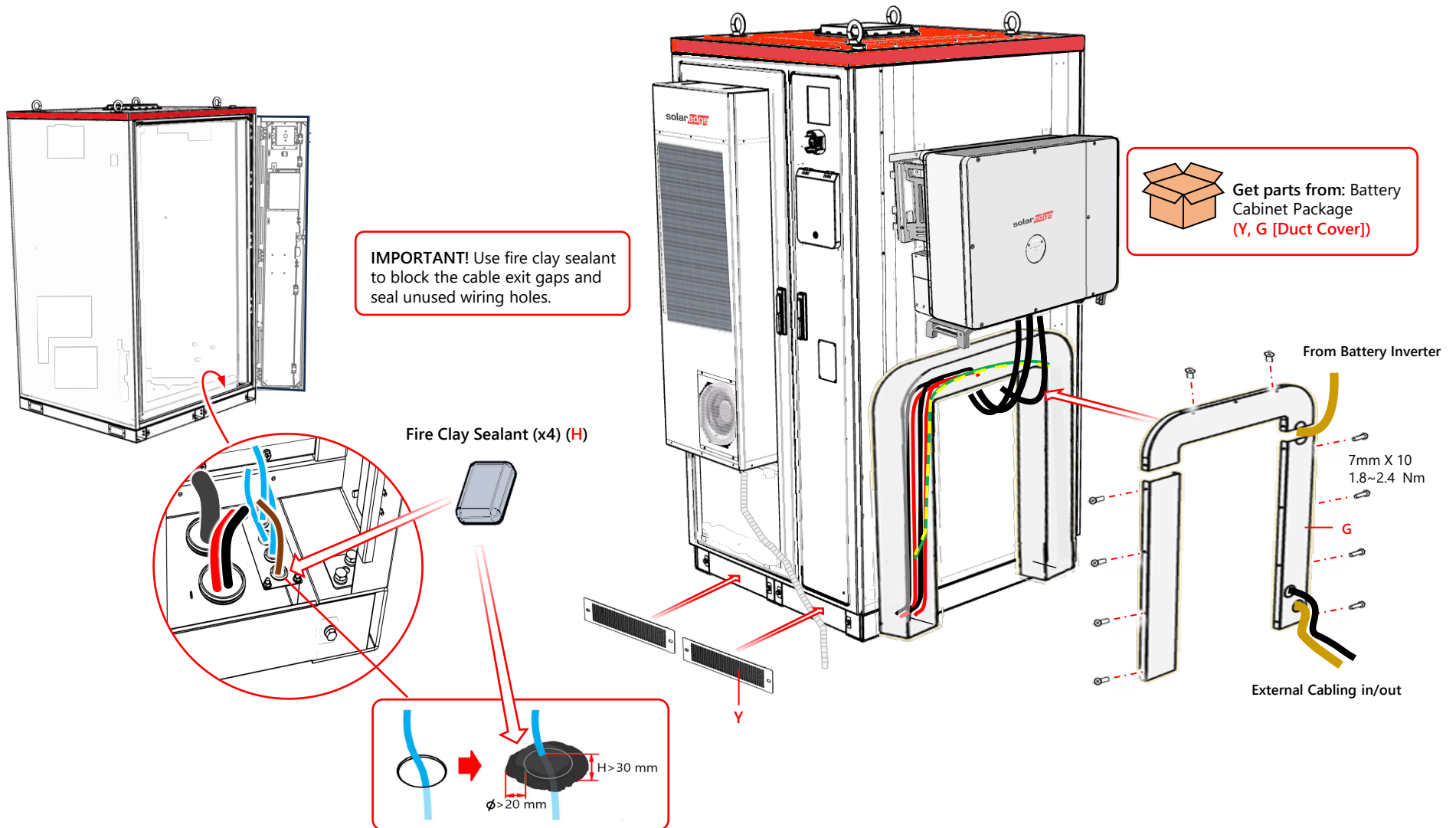




Remote EPO Requirements

- Use only a passive Normally Open (N.O) EPO push-button
- Connect the EPO in parallel to the Battery Cabinets, using pins 8 and 10 of the Digital I/O Local Interface Port of the EMS
- The EPO push-button trips the entire string of Battery Cabinets
- Recovery duration is 1 second
- Do not add any additional wiring to Battery Cabinets

Sealing and Closing Wiring Duct Lid and Panels

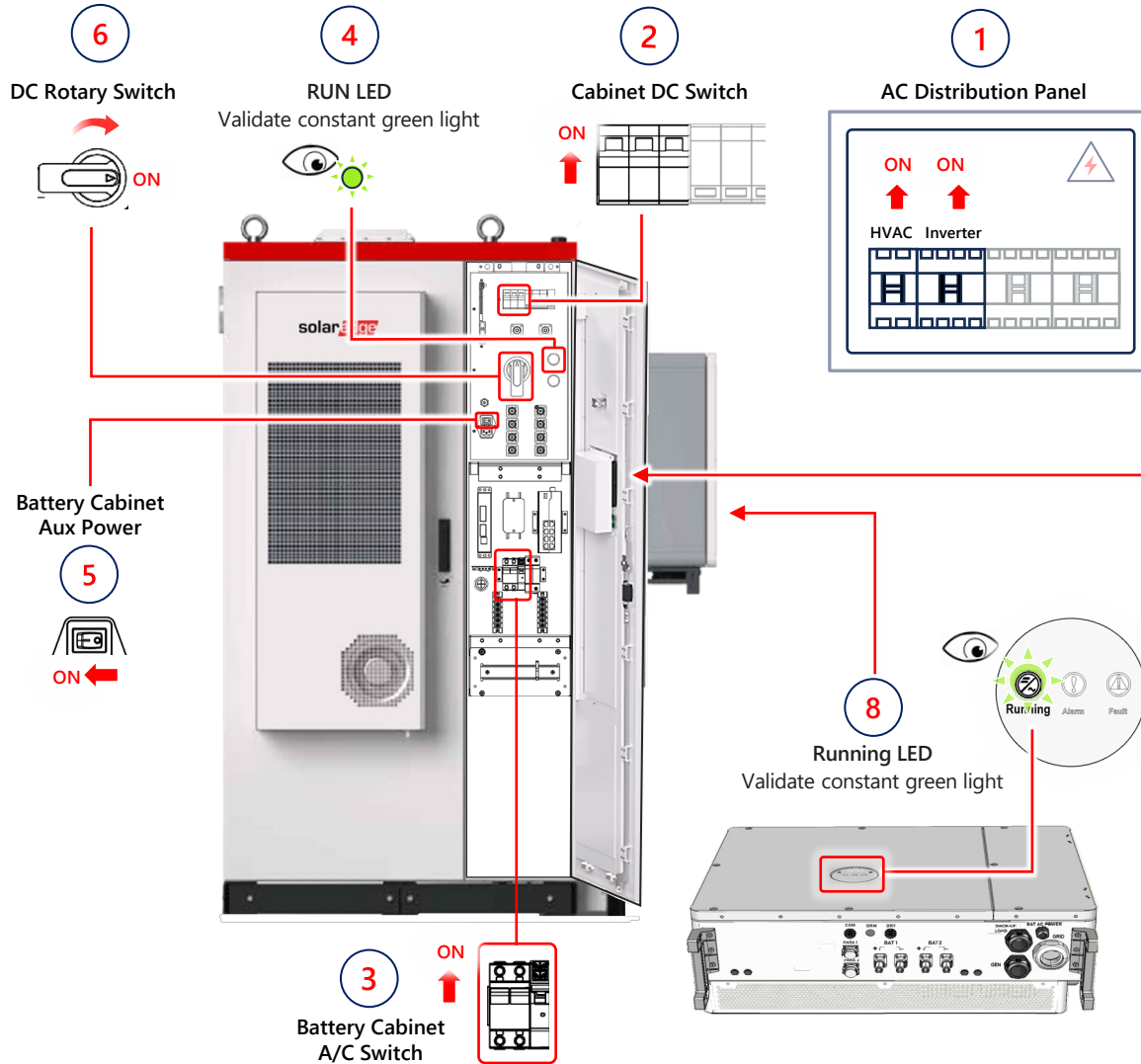


A dark blue diagonal stripe runs from the bottom-left corner towards the top-right corner, dividing the page into two sections.

Appendix A

Powering the CSS-OD

Follow the numbered steps to power on the system

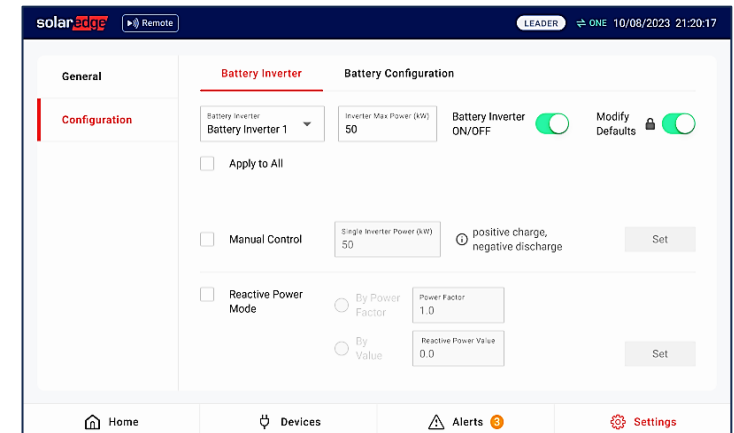


CAUTION! Before powering up the Battery Inverter, it is necessary to verify the connection of all cables and make sure they are correct and tight.

7

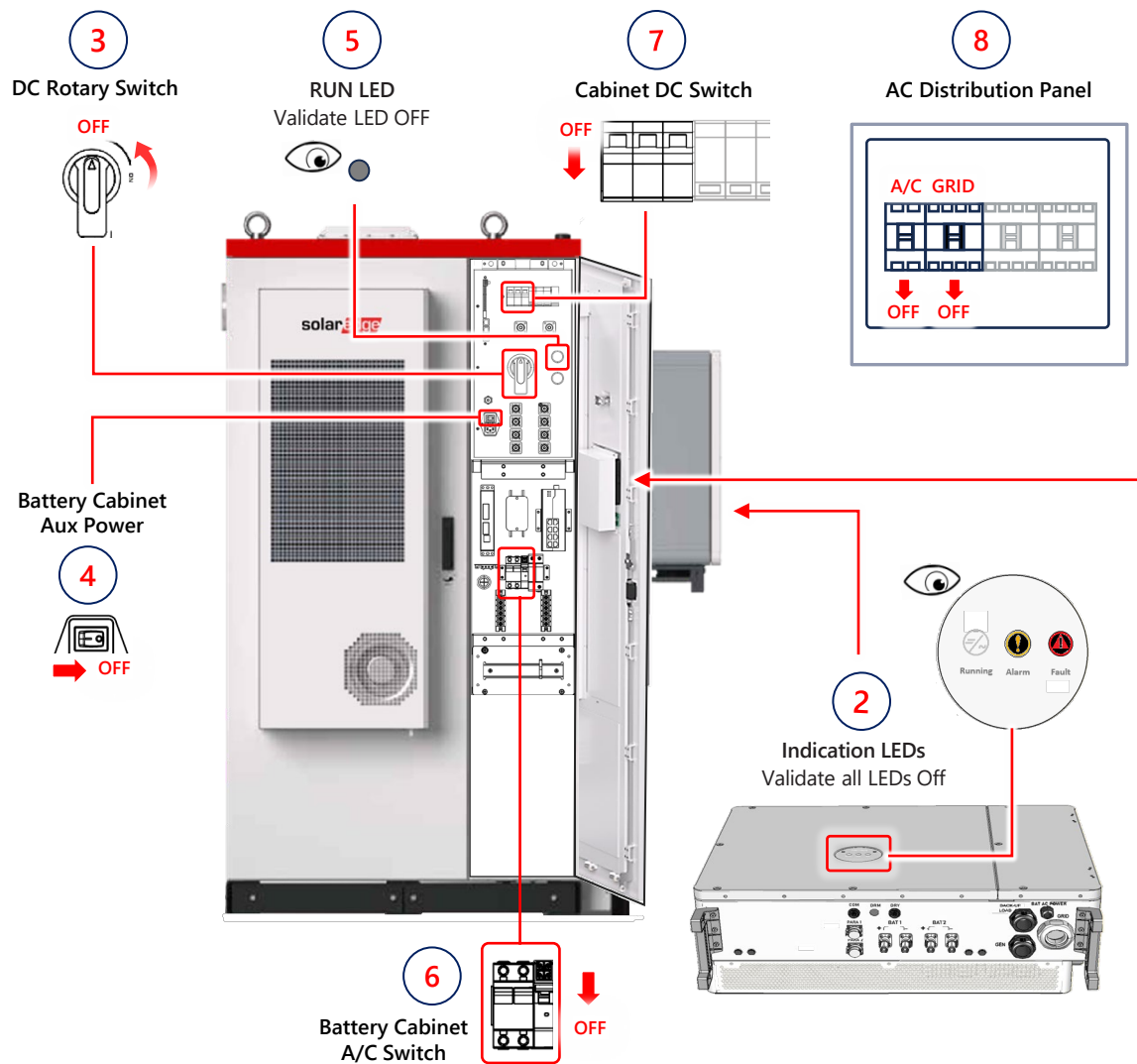
EMS Screen

1. Click : **Settings** → **Battery Inverter** → **Battery Inverter ON/OFF** → **ON**.
2. Enter the password to power on the Inverter (Get the password from SolarEdge Support).
The → **Battery Inverter ON/OFF** button changes from green to gray, and the Running LED light changes from steady red to green.
3. Click **Home** to check device status, active power, and DC voltage to confirm successful operation.
4. Click the **Device** tab to check the operating status and voltage of Inverter and battery cabinet to confirm successful operation.

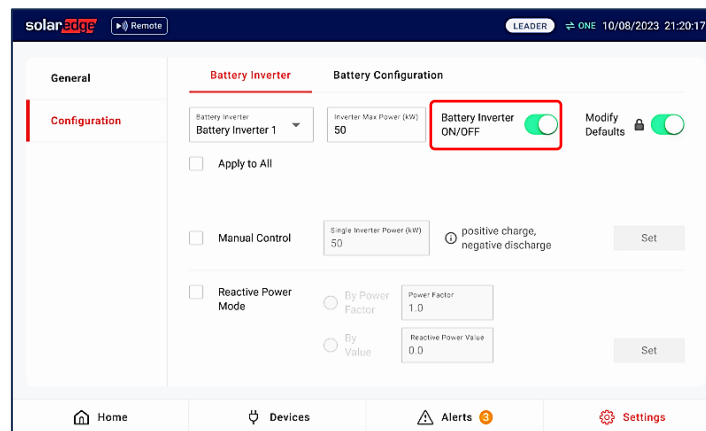


Power Off Sequence

Follow the numbered steps to power off the system



1. Click: Settings → Battery Inverter → Battery Inverter ON/OFF → OFF.
2. Enter the password to power off the Inverter (Get the password from SolarEdge Support). The shutdown button changes from green to gray, and the Running LED changes from steady green to flashing red.

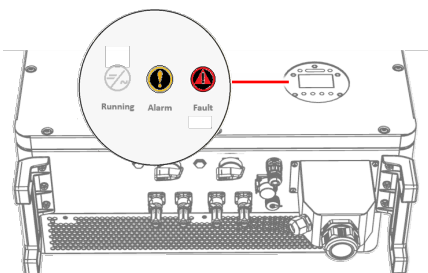


A dark blue diagonal stripe runs from the top-left corner towards the bottom-right, separating the dark blue header area from the white content area.

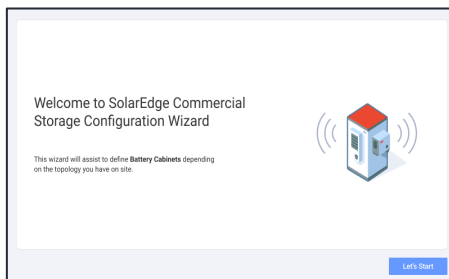
Appendix B

Commissioning

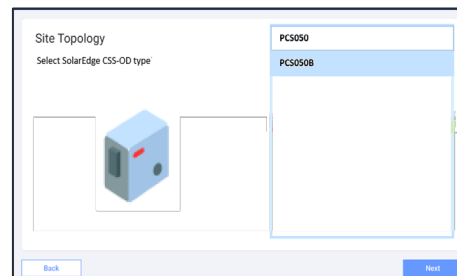
- 1** Ensure CSS-OD 107 Inverter is powered on and in standby – Alarm and Fault LEDs illuminate.



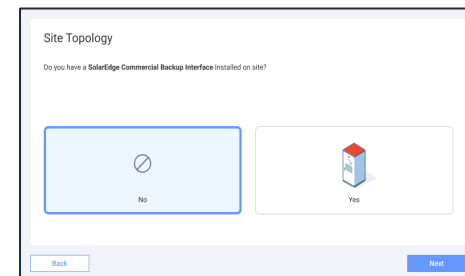
- 2** When the cabinet boots, it displays a Welcome screen - Tap 'Let's Start'.



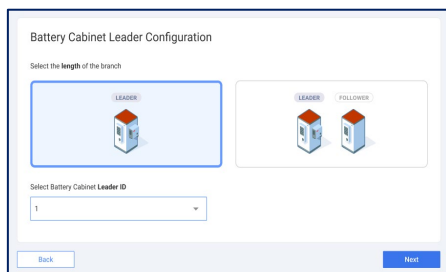
- 3** Select the PCS050B battery Inverter type, then tap **Next**



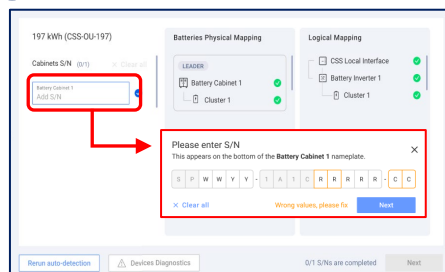
- 4** Select **No** and tap **Next**



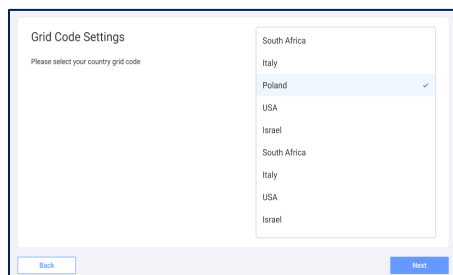
- 5** Select the Cabinet Leader ID=1, then tap **Next**



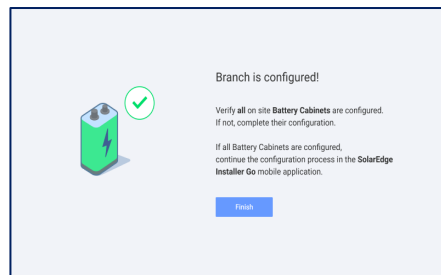
- 6** Enter the serial number found on the nameplate of the battery cabinet and tap **Next**



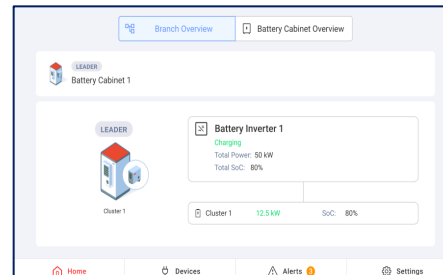
- 7** Select your Grid Code Setting based on your local utility requirements, then tap **Next**



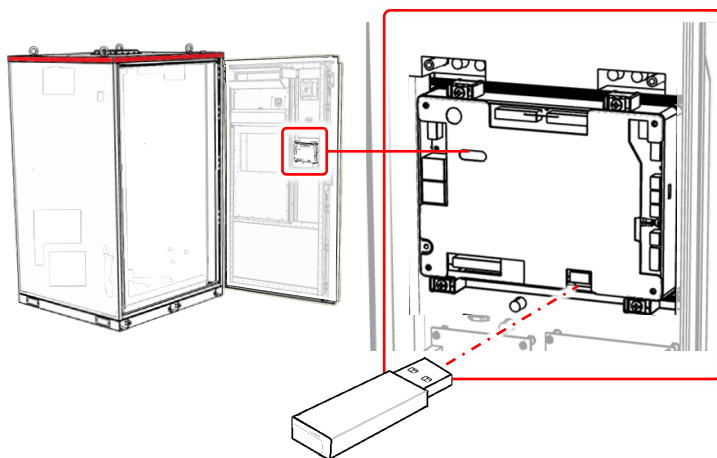
- 8** Tap **Finish**



- 9** Verify that the battery cabinet shows **Charging**



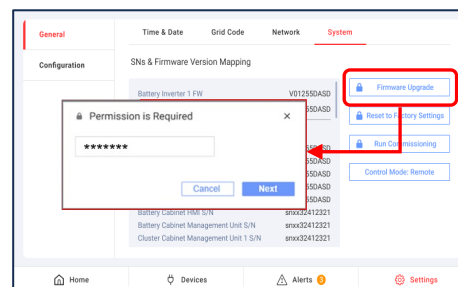
- 1 Contact SolarEdge support to download a firmware upgrade file to a USB flash drive. Insert the drive into the USB port on the back of the EMS.



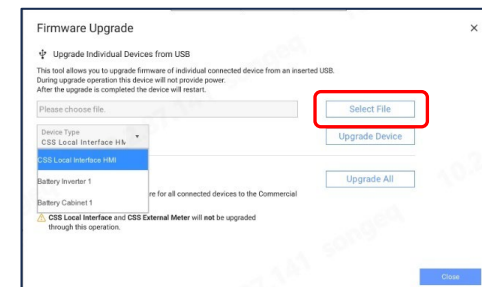
IMPORTANT!

- The capacity of the USB flash drive must be exactly 32 GB.
- The flash drive must be formatted using the FAT32 file system.
- Download the .7zip file from the URL provided by SolarEdge Support directly to the root directory of the USB flash drive and unzip the file.

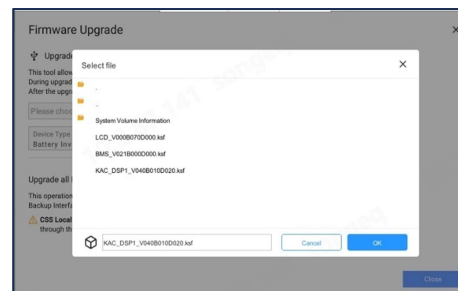
- 2 Tap: **General > Settings > Firmware Upgrade**



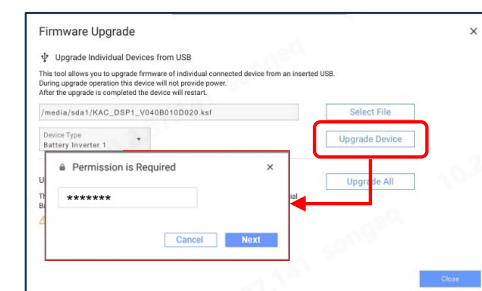
- 3 Select Battery Inverter 1 or 2, and tap **Select File**



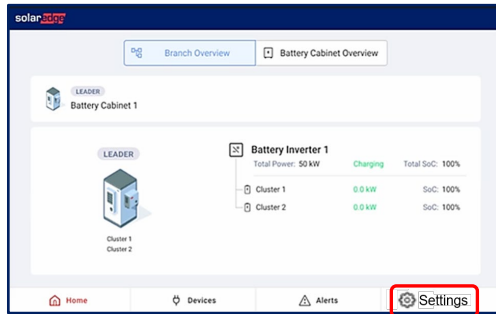
- 4 For the HMI upgrade, select the LCD file.
For the Battery Inverter upgrade, select the KAC file.
For the MBMU, select the BMS file. Tap **OK** to continue.



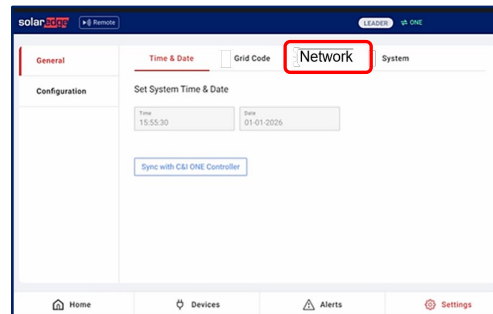
- 5 Tap **Modify Defaults**, enter the password, and tap **Next**.



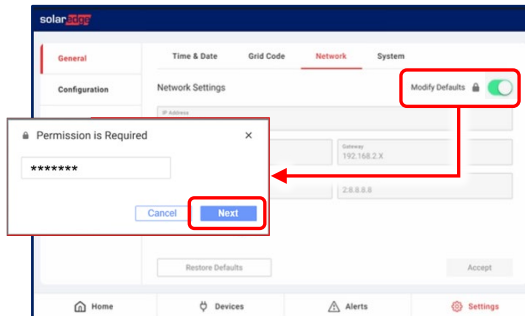
1 Tap **Settings** on the Home Screen



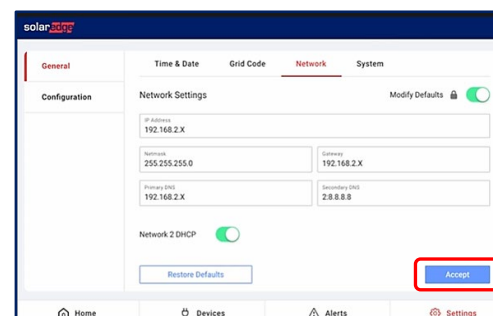
2 Tap General > **Network**



3 Tap **Modify Defaults** and enter the password > **Next**



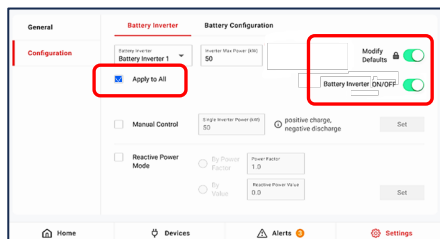
4 Tap **Accept**



Battery Cabinet Activation

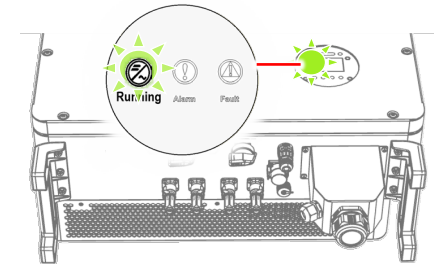
1 Before proceeding, make sure all the switches on the Inverter are in the ON position.

1. Turn on the **Modify Defaults** switch.
2. Check the **Apply to All** option.
3. Tap on **Battery Inverters** to begin the inverter activation process.

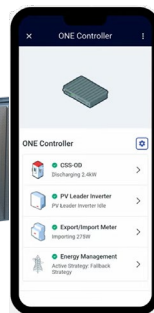


2 Disconnect AC and DC power from the Inverter and reconnect to reset the Inverter. (See Appendix A: Powering the CSS-OD)

3 Validate that the **Running LED** shows a constant green light



4 Install SolarEdge Go for SolarEdge ONE Controller for C&I Configuration



<https://youtu.be/KVCRGSeq8VU>

A dark blue diagonal graphic element that starts from the bottom-left corner and extends towards the top-right, creating a triangular shape on the left side of the page.

Appendix C

Troubleshooting and Maintenance

Troubleshooting

Fault Description	Possible Cause	Corrective Action
Grid Overvoltage	Grid voltage above permissible limit	• Check Grid Code settings • Check grid voltage with a multimeter. • Contact utility provider if voltage remains high.
Grid Undervoltage	Grid voltage below permissible limit	• Verify connection at AC terminals. • Check for utility fluctuations or loose wiring.
Grid Frequency Error	Frequency outside 50/60 Hz ± 0.5 Hz	• Confirm local grid frequency stability. • Wait for automatic reconnection once frequency normalizes.
Insulation Resistance Fault	Low insulation resistance detected on DC side	• Check for good earth resistance of BT+ and BT– battery terminals is greater than 2 MΩ. • Replace defective module or cable.
Ground Fault	Leakage current detected	• Inspect for damaged cables or moisture ingress. • Dry the system and re-test insulation.
Temperature Overheat	Inverter temperature exceeds safe limit	• Ensure ambient temperature is within range. • Clean heat sink and check for blocked airflow. • Verify fan operation (if equipped).
Communication Failure	Lost connection with SolarEdge ONE system	• Check communication wiring and connectors. • Verify that SolarEdge ONE Controller is powered. • Verify that your site router is powered and connected to the internet.

Maintenance

NOTE: For CSS-OD routine maintenance guide, refer to: <https://knowledge-center.solaredge.com/sites/kc/files/se-css-od-90-routine-maintenance-guide.pdf>

Battery Inverter LED Indications

LED Indication(s)		Description
All LEDs are Off	   Running Alarm Fault	The battery inverter is powered off
Steady Green	   Running Alarm Fault	Standard operation
Flashing Yellow and steady Red	   Running Alarm Fault	Self-test
Steady Yellow and steady Red	   Running Alarm Fault	Standby mode
Steady	   Running Alarm Fault	Faulty Inverter (Contact support)
Flashing Red	   Running Alarm Fault	Severity level: Inverter fault (Contact support)
Steady Green and flashing Yellow	   Running Alarm Fault	Normal operation; state of charge approaching 100% or 0%

A dark blue diagonal stripe runs from the bottom-left corner towards the top-right corner, separating the dark blue header area from the white content area.

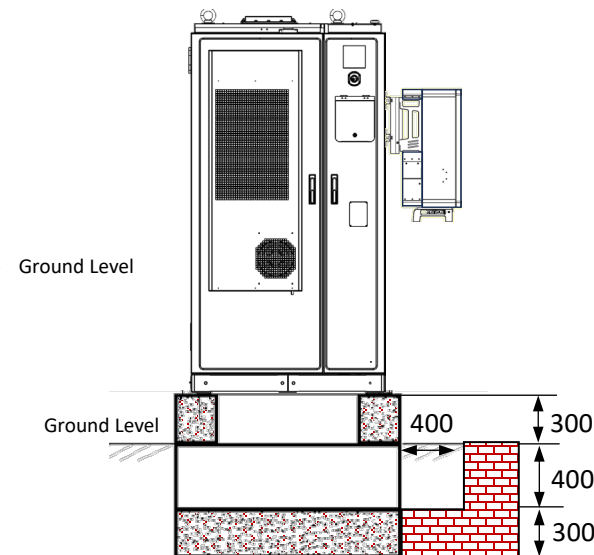
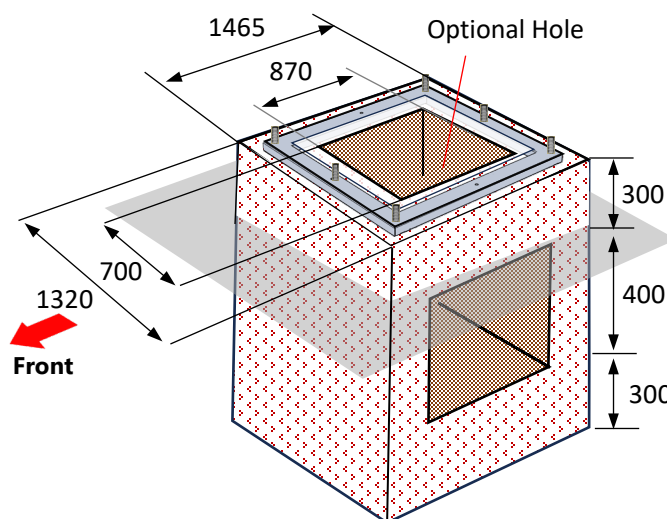
Appendix D

Construction Details

IMPORTANT NOTES!

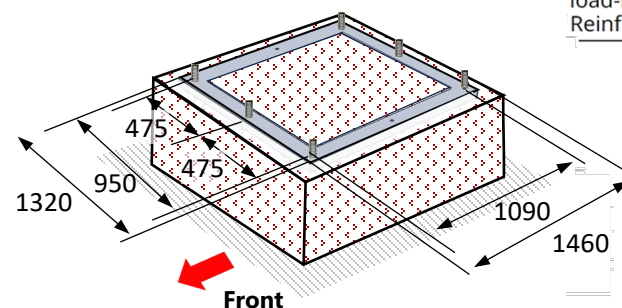
1. Battery Cabinet must be installed on a reinforced concrete platform base.
2. Dig a trench or reserve a cable entry hole by considering the electrical wiring of the equipment before construction of the foundation.
3. The foundation must be made of non-combustible materials.
4. The bearing capacity of the foundation shall be > 3 t.
5. When designing and manufacturing the embedded steel plates for the battery cabinet, it is necessary to consider that there must be a reliable connection (reinforcement hook) between the embedded steel plate and the concrete base.
6. When molding the concrete pad, it shall protrude below the ground a minimum of 700 mm.
7. To avoid flood damage and safety hazards, the cabinet must be installed on a concrete platform with a minimum height of 300 mm. The Concrete base surface smoothness shall be ≤ 3 mm.
8. The upper surface tolerance of the foundation shall be ± 5 mm.
9. The concrete pad shall prevent rainwater accumulation on top of it. The foundation construction should meet the drainage requirements for the maximum volume of rainfall in the locality, and the discharged water needs to be treated in accordance with local laws and regulations.
10. The foundation drawing is only for reference and cannot be regarded as the final construction drawing. Operators shall recheck the basic parameters according to the environment, geological conditions, seismic requirements, etc., of the installation site.

Concrete Platform Base

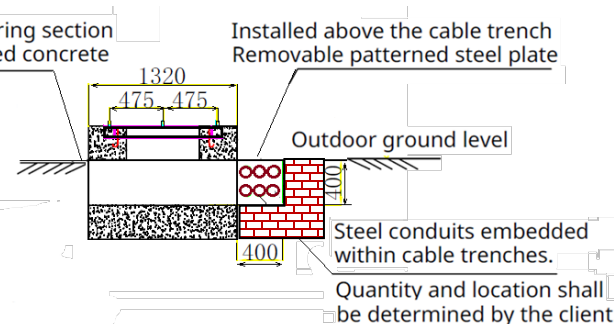


Embedded Steel Plate with Studs

Steel plate embedded with six M12×50 welded studs. Embedded Steel Plate 100 / 10



All dimensions are in mm





Support Contact Information

If you have technical problems concerning SolarEdge products, please contact us:

<https://www.solaredge.com/service/support>

Subject to change without notice.

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