



KADLU LV

Lithium Battery Installation Manual

Warning:

Please read this document completely before installing or using KADLU LV home battery system. Not following the instructions and warnings provided here could lead to electrical shock, severe injury, or even death. It could also permanently damage the KADLU LV home battery system.

PRODUCT SPECIFICATIONS

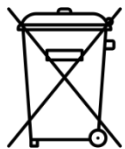
All specifications and descriptions in this document are accurate as of the time of printing. However, because IGLU TECH is committed to continuous improvement, we may make product modifications at any time.

The images in this document are for demonstration purposes only. Product details may vary slightly depending on the version and region.

ERRORS OR OMISSIONS

If you notice any inaccuracies or omissions in this manual, please email:

info@iglutech.eu



ELECTRONIC DEVICE: DO NOT THROW AWAY

Proper Disposal of batteries is required. Refer to your local codes for disposal requirements.

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IMPORTANT SAFETY INSTRUCTIONS

This manual contains important instructions for installing and maintaining the KADLU LV home battery system. Please follow them carefully.

Installing and servicing the KADLU LV home battery system requires expertise in high-voltage electricity and should only be carried out by IGLU TECH Certified Installers. IGLU TECH is not liable for injuries or property damage resulting from repairs by unqualified individuals or failure to follow these instructions. All warnings and cautions in this manual must be observed when using the KADLU LV home battery system.

Symbols Used

These symbols indicate important safety information in this guide or on the equipment:



WARNING: indicates a hazardous situation which, if not avoided, could result in injury or death.



CAUTION: indicates a hazardous situation which, if not avoided, could result in minor injury or damage to the equipment.

NOTE: indicate an important step or tip that leads to the best results but is not safety or damage related.



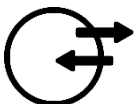
REFER TO OPERATING INSTRUCTIONS: indicates that user should refer to operating or installation instructions before proceeding.



RISK OF ELECTRIC SHOCK: indicates components that present risk of electrical shock.



CAUTION, RISK OF ELECTRIC SHOCK, ENERGY STORAGE TIMED DISCHARGE, Discharge time is 5 minutes from de-energization.



BIDIRECTIONAL TERMINIAL: indicates location of combined input/output connector on the equipment.



PROTECTIVE CONDUCTOR TERMINAL: indicates location of grounding connection on the equipment.

General Information

-  **WARNING:** Reading this entire document before installing or using KADLU LV. Failure to do so or to follow any of the instructions or warnings in this document can result in electrical shock, serious injury, or death or can damage KADLU LV, potentially rendering it irreparable.
-  **WARNING:** A battery can present a risk of electrical shock, fire, or explosion from vented gases. Observe proper precautions.
-  **WARNING:** KADLU LV installation must be carried out only by IGLU TECH Certified Installers who have been trained properly.
-  **WARNING:** KADLU LV is heavy. Use of Lift equipment is recommended.
-  **WARNING:** Use KADLU LV only as directed.
-  **WARNING:** Do not use KADLU LV if it is defective, appears cracked, broken, or otherwise damaged, or fails to operate.
-  **WARNING:** Before beginning the wiring portion of the installation, ensure that KADLU LV is switched off, and open any associated circuit breakers and disconnect switches (if applicable for the installation).
-  **WARNING:** Do not attempt to open, disassemble, repair, tamper with, or modify KADLU LV. KADLU LV and its components are not user serviceable. Batteries in KADLU LV are replaceable. Contact the IGLU TECH Certified Installer who installed the system for any repairs.
-  **WARNING:** To protect KADLU LV and its components from damage when transporting, handle with care. Do not impact, Pull, drag, or step on KADLU LV. Do not subject KADLU LV to any strong force. To help Prevent damage, leave KADLU LV in its shipping packaging until it is ready to be installed.
-  **WARNING:** Do not insert foreign objects into any part of KADLU LV.
-  **WARNING:** Do not expose KADLU LV or its components to direct flame.
-  **WARNING:** Do not install KADLU LV near heating equipment.
-  **WARNING:** Do not immerse KADLU LV or its components in water or other fluids.
-  **CAUTION:** Do not use solvents to clean KADLU LV or expose KADLU LV to flammable or harsh chemicals or vapors.
-  **CAUTION:** Do not use fluids, parts or accessories other than those specified in this manual including use of non-genuine IGLU TECH parts or accessories, or parts or accessories not purchased directly from IGLU TECH or a IGLU TECH -certified party.
-  **CAUTION:** Do not place KADLU LV in a storage condition for more than one (1) month, or permit the electrical feed on the KADLU LV to be served for more than one (1) month, without placing KADLU LV into a storage condition in accordance with IGLU TECH's storage specifications.
-  **CAUTION:** Do not paint any part of KADLU LV, including any internal or external components such as the exterior shell or casing.

 **CAUTION:** Do not connect KADLU LV directly to photo voltaic (PV) solar wiring.

 **CAUTION:** When installing KADLU LV in a garage or near vehicles, keep it out of the driving path. If possible, install KADLU LV on a side wall and/or above the height of vehicle bumpers.

Environmental Conditions

 **WARNING:** Install KADLU LV in a location that prevents damage from flooding.

 **WARNING:** Operating or storing KADLU LV in temperatures outside its specified range might cause damage to KADLU LV.

 **WARNING:** Do not expose KADLU LV to ambient temperature above 40 °C or below -20 °C.

 **CAUTION:** Ensure that no water sources are above or near KADLU LV, including downspouts, sprinklers, or faucets.

 **CAUTION:** Ensure that snow does not accumulate around KADLU LV.

Date	Revision	Description	Owner
2025-01-01	V1.0	Initial Release	Dovydas
2025-06-16	V1.1	Content correction	Dovydas

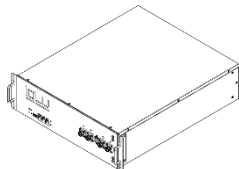
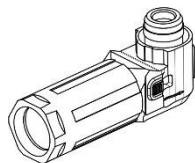
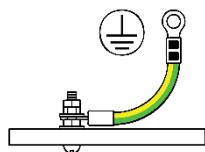
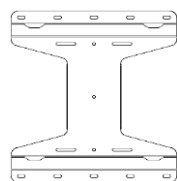
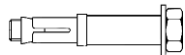
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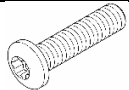
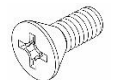
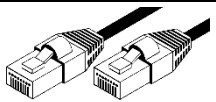
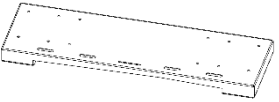
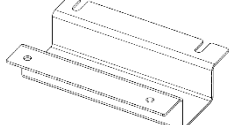
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1. Product packing list

1.1 Unpacking inspection

- When the equipment arrives at the installation site, loading and unloading should be carried out according to the rules and regulations, to prevent from being exposed to sun and rain.
- Before unpacking, the total number of packages shall be indicated according to the shipping list attached to each package, and the case shall be checked for good condition.
- In the process of unpacking, handle with care and protect the surface coating of the object.
- Open the package, the installation personnel should read the technical documents, verify the list, according to the configuration table and packing list, ensure objects are complete and intact, if the internal packing is damaged, should be examined and recorded in detail.

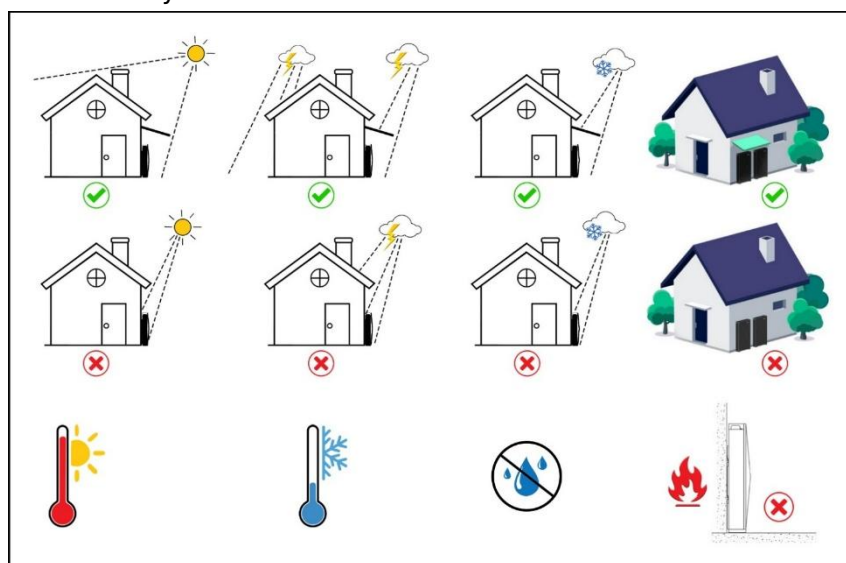
Item Name	ID	Details	QTY.	Image
Case	A	LV200D 600*235*1180 mm (Without wall mounting plate) 23.6x9.2x46.4 in	1	
Battery		KADLU LV PACK Model: KLVH10051A10 440*530*132 mm 17.3x20.8x5.1 in	2	
Output Cable	B	Set of orange and black plug's Min/max conductor cross 50 mm ² to 70 mm ² Rated voltage: 1500 V, Rated current: 250 A Connection method: Crimp Max. cable diameter: 17 mm	1	
		Tubular cable lug 50 mm ² M10	2	
	C	Ground cable yellow & green/L:1 m (39.37 in)/ double OT M6	1	
	D	Ground cable yellow & green/L:0.3 m (11.81 in)/ double OT M6	2	
Back Plate	E	Bracket	1	
Expansion Screw	F	Expansion Bolts:M8x80	4	
Nut and washer		Set of M4 nut and washer	2	
Screw		M6x16	8	

Screw		M4x16	14	
Washer		M4 A4 DIN 9021	14	
Screw		M3x8	16	
Communication		Communication Parallel Cable L 1m / Double RJ45 Plug	1	
Base		Decorative bottom cover 600*35*185 mm	1	
Support legs		Stainless steel legs 130*37*91 mm	2	

2. Installation preparation

2.1 Requirements for installation location

- A solid support surface must be available (e.g., concrete or masonry).
- The installation location must be inaccessible to children.
- The installation location must be suitable for the weight and dimensions of the KADLU LV.
- The installation location must not be exposed to direct solar irradiation.
- Keep away from metal conductive dust.
- Keep away from water source, heat source and inflammable and explosive articles
- The installation location must not be close to a fire.
- The altitude of the installation location should be less than 3000m.
- The storage temperature should be between -20 °C ~ +50 °C.
- The operating temperature should be between 0 °C ~ +50 °C.
- The ambient humidity should be between 20-80%.



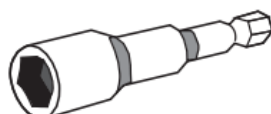
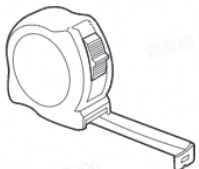
Max +55°C

Min -20 °C

RH:<95%

- KADLU LV includes a mounting bracket that supports the unit in both floor- and wall-mount configuration and includes shims to level the unit in floor-mount configurations. Do not use other hardware to anchor KADLU LV to the wall or floor.

2.2 Tools needed

		
Torque screwdriver	Phillips-screwdriver bit	Torx screwdriver
		
Phillips-head screwdriver	Torque wrench	Cylinder screwdriver bit
		
level	Electric Drill	Tape measure
		
Hammer	Twist drill	Marker pen

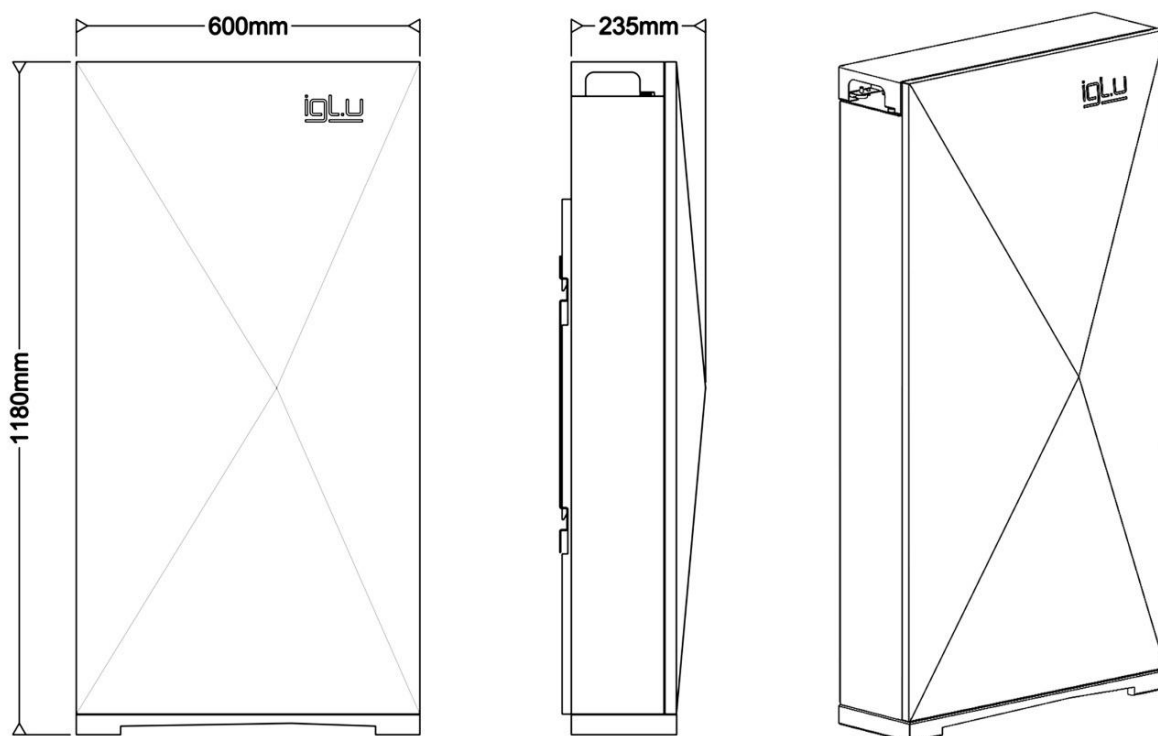
2.3 Safety gear

- Wear the following safety gear when dealing with the battery system. Installation personnel must meet the relevant requirements of international standards.

		
Insulated gloves	Safety goggles	Safety shoes

3. Specifications

3.1 Dimensions and appearance of KADLU LV:



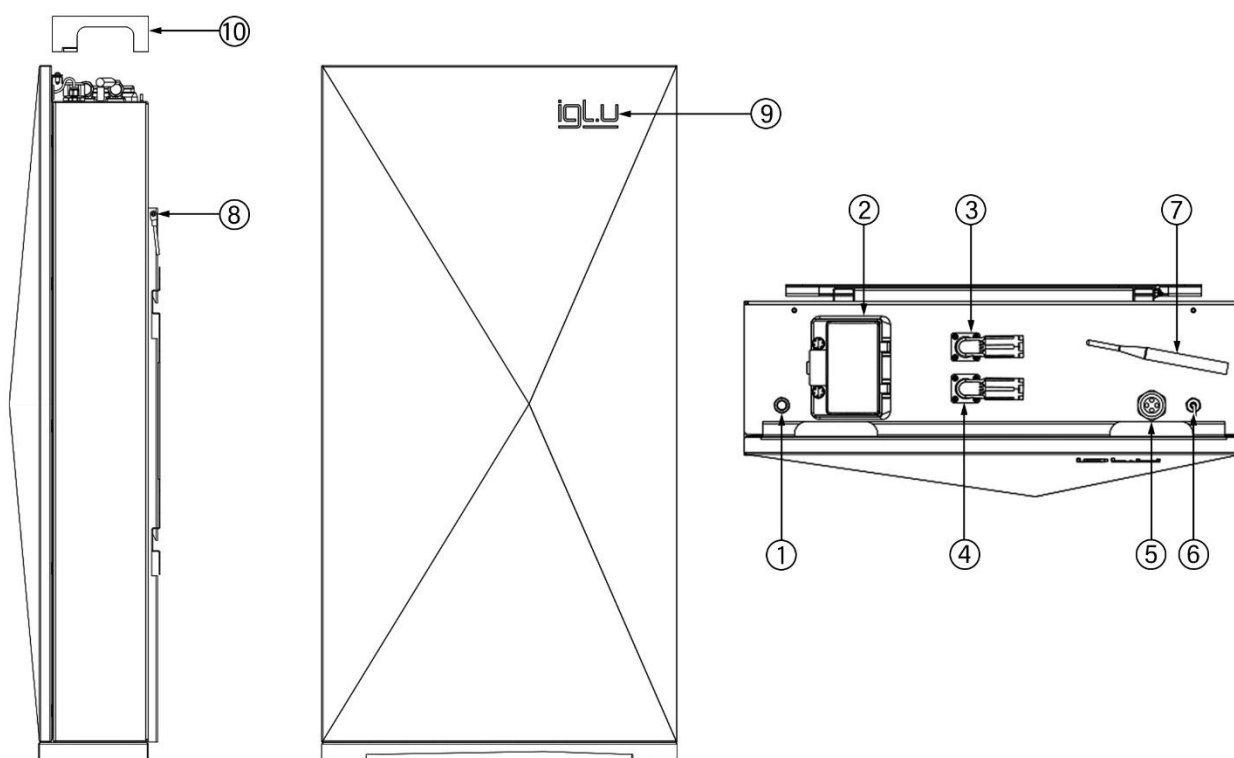
Technical Parameters	LV200D	KLVH100D	KLVH100S
Notation explanation	Case	Primary battery	Secondary battery
Cell Type	-	LiFePO4	
Product Name	-	KADLU LV	
Battery Pack Model	-	KLVH10051A10	KLVH10051A10
Nominal Capacity	-	200Ah	
Nominal Battery Energy	-	10.24 kWh	
Nominal Voltage	-	51.2 V	
Working Voltage Range	-	48-57.6 V	
Rated Energy	-	10.24kWh	
Usable Battery Capacity	-	200Ah	
Max. Parallel Quantity	-	Max. 5 parallel of KADLU LV (50KWh)	
Nominal Current (Recommended)	-	0.5C,100 A	
Battery Depth of Discharge	-	100%	
Battery Max Charge/Discharge Power	-	5.12kw/5.12kw	
Available SOC Range	-	10% ~ 100%	
SOC Transportation Range	-	50%	

Operating Temperature	-	Charging Temperature : 0°C~55°C ; Discharge Temperature : -20°C~55°C	
Storage Temperature	-20°C ~ 50 °C		
Working Humidity	20~80%RH		
Standard Charging Current	-	0.5C (100A)	
Maximum Charging Continuous Current	-	0.5C (100A)	
Rated DC Power	-	5.12kw	
IP Grade	IP65		
Recommended Indoor/Outdoor Usage	Indoor/Outdoor		
Weight	~40Kg	~130Kg (Actual weight requires weighing confirmation)	
Dimensions [W*D*H]	600*235*1180 mm (Without wall mounting plate)		
Communication	-	CAN/RS485	CAN/RS485
Certificate (Battery unit, KADLU LV Inside)	-	IEC 62619/61000/ UN38.3	
Certificate (System)	-	TBD	
Calendar Life	10 Years		
Cycle life	6000 @ 90% DoD		
Cable Specification	LV200D	KLVH100D	KLVH100S
Battery Cable Rating	-	100 A, each cable	
Battery Cable Type	-	25 mm2 OR 4AWG	
*Note: Battery Δ V should be less than 3V at first Parallel installation, or BMS has a potential failure risk if Δ V 3V, please Charge or discharge the batteries to meet Δ V≤3V, or consult our engineers;			

4. Technical parameters

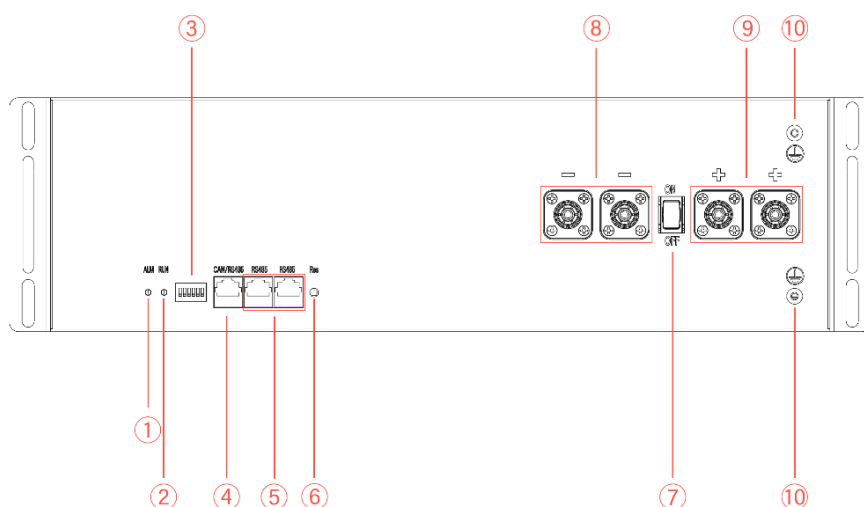
LV200D / S – CASE	
Material	DC01 Steel, 2mm Thickness
Surface	Paint, Black, Semi-gloss paint
Dimension	WDH: 600x1180x235mm
Mounting and Weight- Empty	Approx. 40 Kg rear fixing
Mounting and Weight- w/ Battery	Approx. 130 kg, 2 sets of battery packs
IP Level	IP65
Connector / Cable Specification	
Battery Connectors	Pheonix Contact 250 A, each pole
Battery Cable Rating	200 A, each cable
Battery Cable Type	50 mm2
Battery Enclosure	

Battery Type	CATL LiFePO4 (LFP) 100Ah
Number of Battery Units	2 sets of IGLU Kadlu LV Packs (51.2V, 5.12kWh)
Nominal Battery Energy	10.24 kWh
Nominal Voltage	51.2 V
Working Voltage Range	44.8 – 57.6 V
Nominal Current (Recommended) ¹	100 A
Rated Power ¹	5,12 kW (Charge/Discharge)
Parallel Quantity	Max. 5 sets in parallel (50KWh)



Nr.	Name	Details	Note
1.	Air Breather Valve	M12	IP68
2.	2x2P DC Circuit Breakers	125A	With transparent protection window IP68
3.	Negative Connector	S 35-70	rated current: 250 A, IP65
4.	Positive Connector	S 35-70	rated current: 250 A, IP65
5.	Multi-Hole Nylon Cable Gland	M25 - 4 hole	IP67
6.	Single-Hole Cable Gland	M12	IP68
7.	Wi-Fi antenna	2.4GHz, 5GHz, Bluetooth, Wi-Fi, WLAN	IP67
8.	GND	M6 to M4	Yellow-Green Cable, 16mm ²
9.	Battery status indicator	IGLU LOGO – LED (KLVH100D model only)	
10.	Top cover	600x53x162	Magnets are used for fastening

5. KADLU LV PACK communication interface

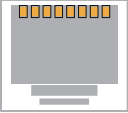


Item	Name	Model	Remarks
1	Alarm LED		
2	RUN LED		
3	Dialer		
4	Communication port	RJ45	CAN to Inverter, RS485 Internal Connection
5	Communication port *2	RJ45	RS485 Internal Connection
6	Reset		Wake up the system from malfunction status
7	Power On/Off Switch		
8	Port Negative x2	PSR6XAB	Black 5.7, 25 mm2
9	Port Positive x2	PSR6XBB	Orange 5.7, 25mm2
10	GND	M6	Yellow-Green, 6mm2/10 AWG

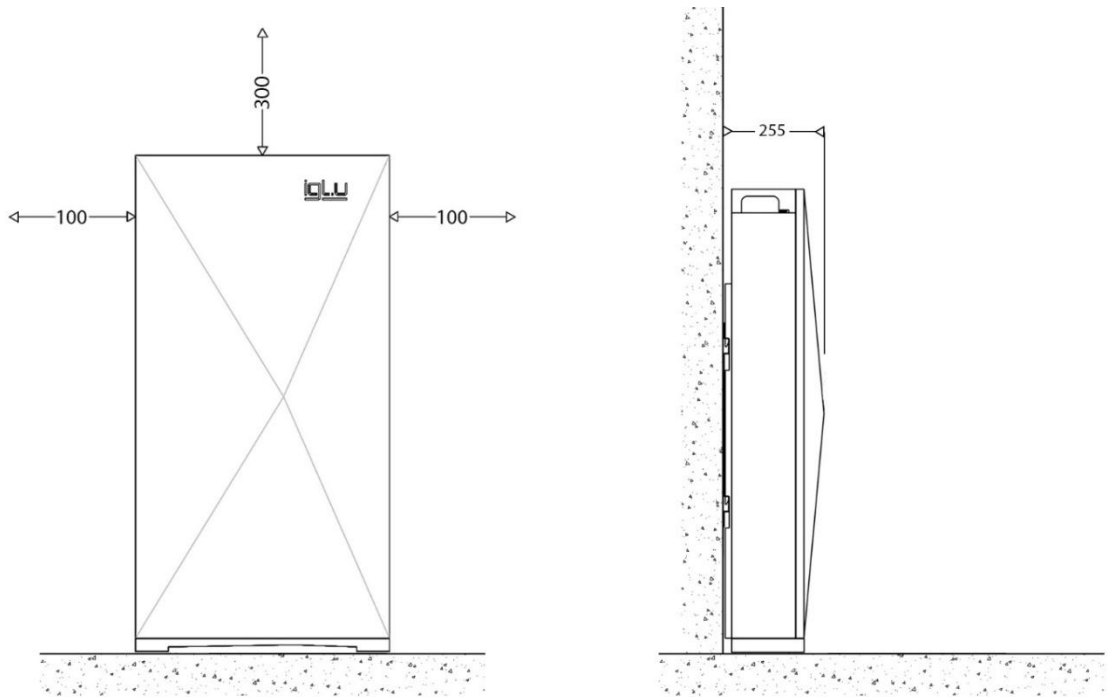
- Port CAN/RS485 and RS485
- DC Cable Requirements

Size	Outer Diameter	Max. Voltage	Max. Current
21-33 mm2	10-12 mm	1000 V	120 A

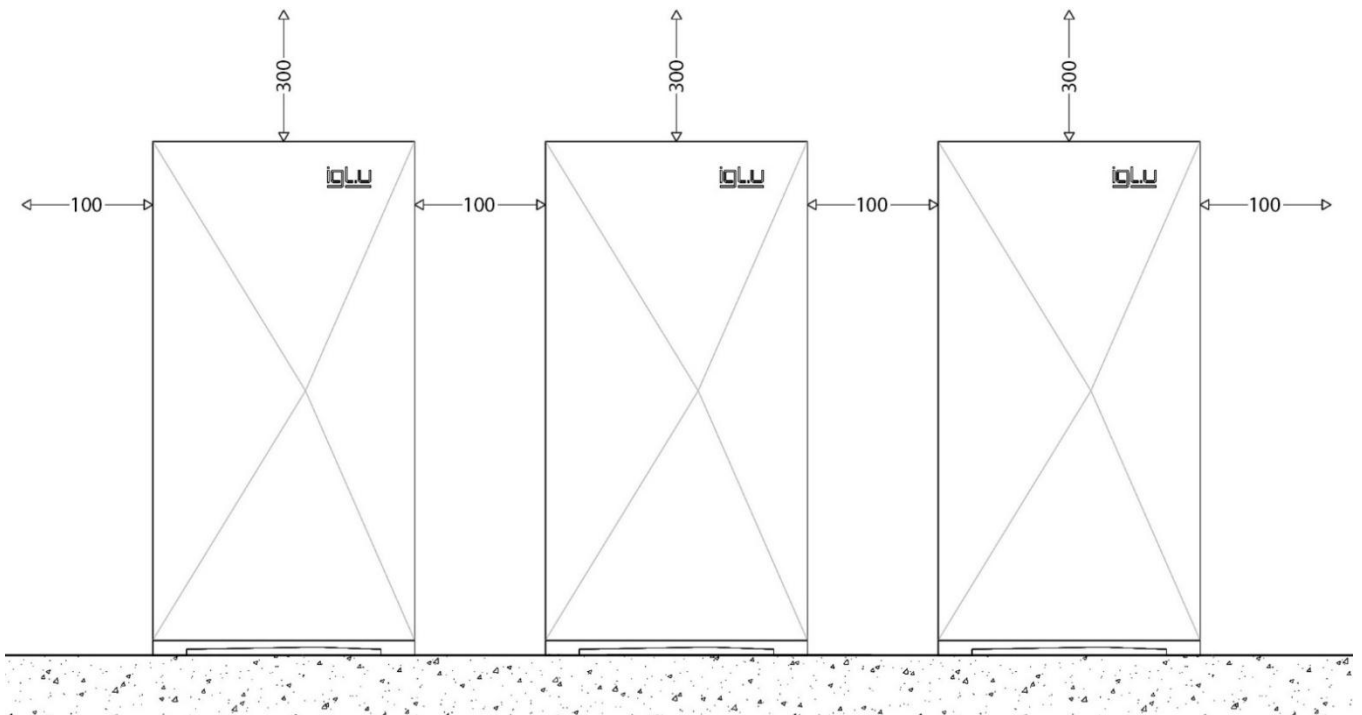
- DC cable must be a multicore wire

View	Item	Description	1	2	3	4	5	6	7	8
1 2 3 4 5 6 7 8	4	INVERTER	-	RS485-A	RS485-B	CAN-H	CAN-L	-	-	GND
										
CAN/RS485	5	LINK IN	-	BMS-RS485-A	BMS-RS485-B	-	-	-	-	GND
1 2 3 4 5 6 7 8										
										
RS485										

6. Dimensions and space requirements

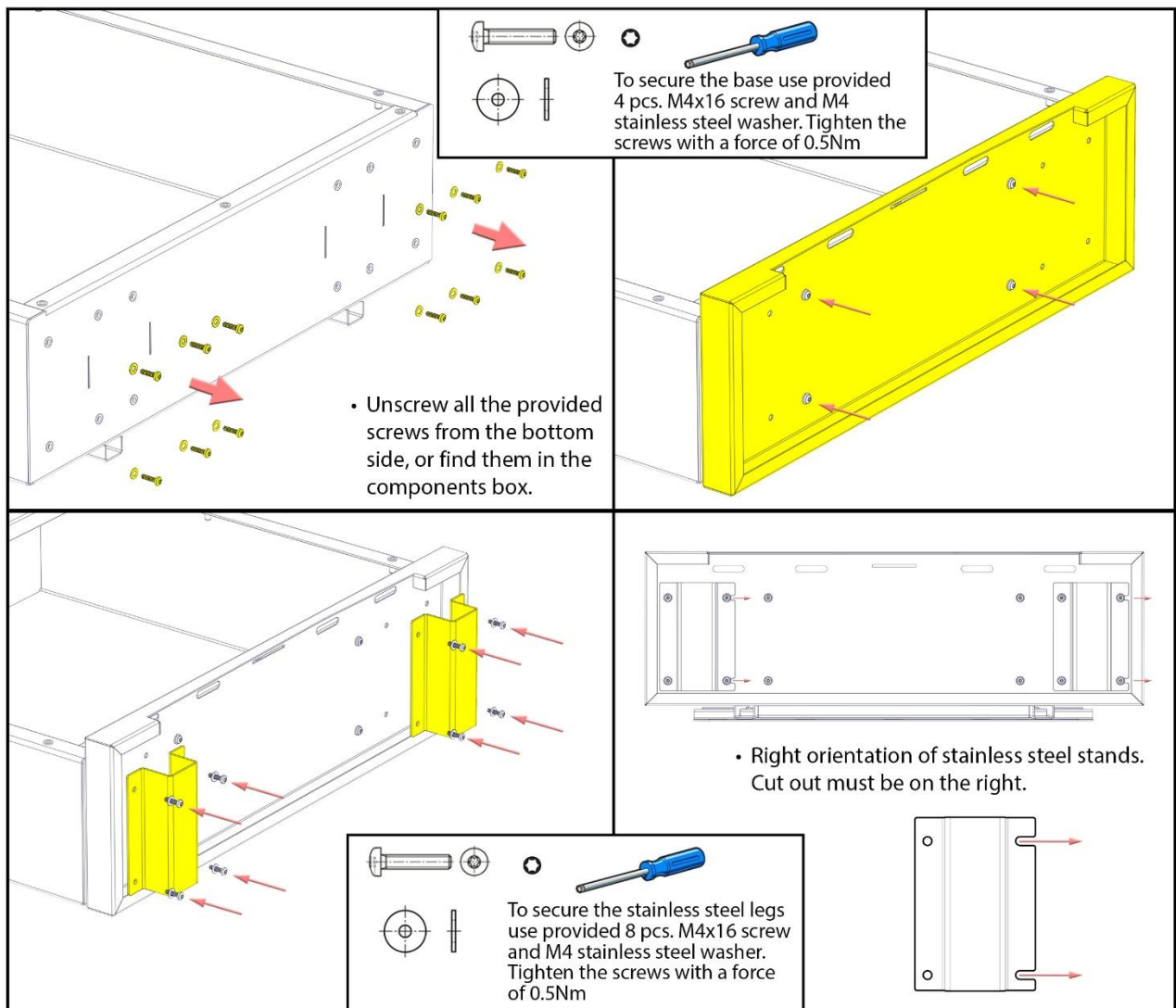
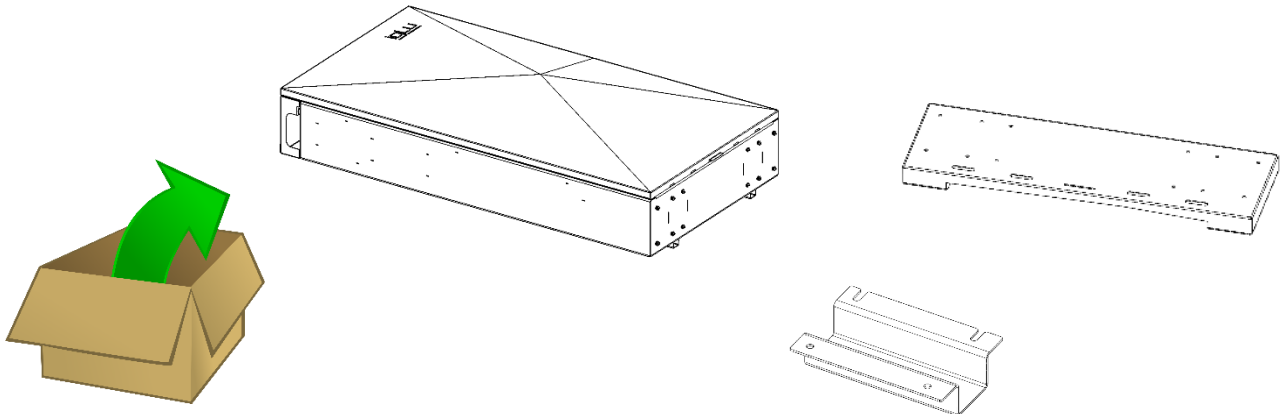


Space Requirements	
Min. clearance from left side	100mm
Min. clearance from right side	100mm
Min. clearance above KADLU LV	300 mm
Min. clearance between side-by-side KADLU LV	100mm
Min. clearance at the bottom	≥0 mm
Max. slope	+/- 2° side-to-side +/- 5° front-to-back



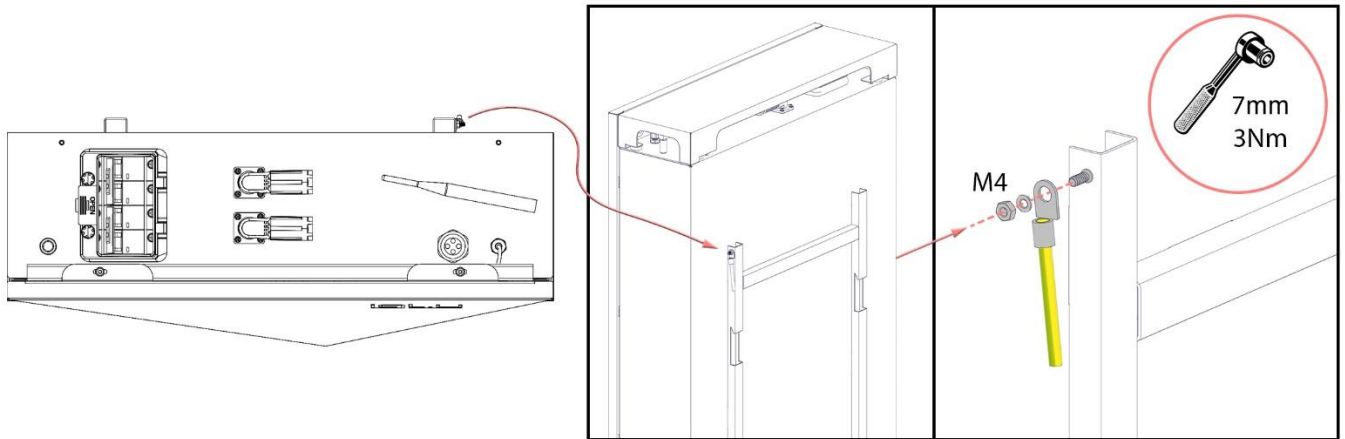
7. Base installation

- After unboxing KADLU LV home battery, attach the decorative base and stainless-steel support legs.



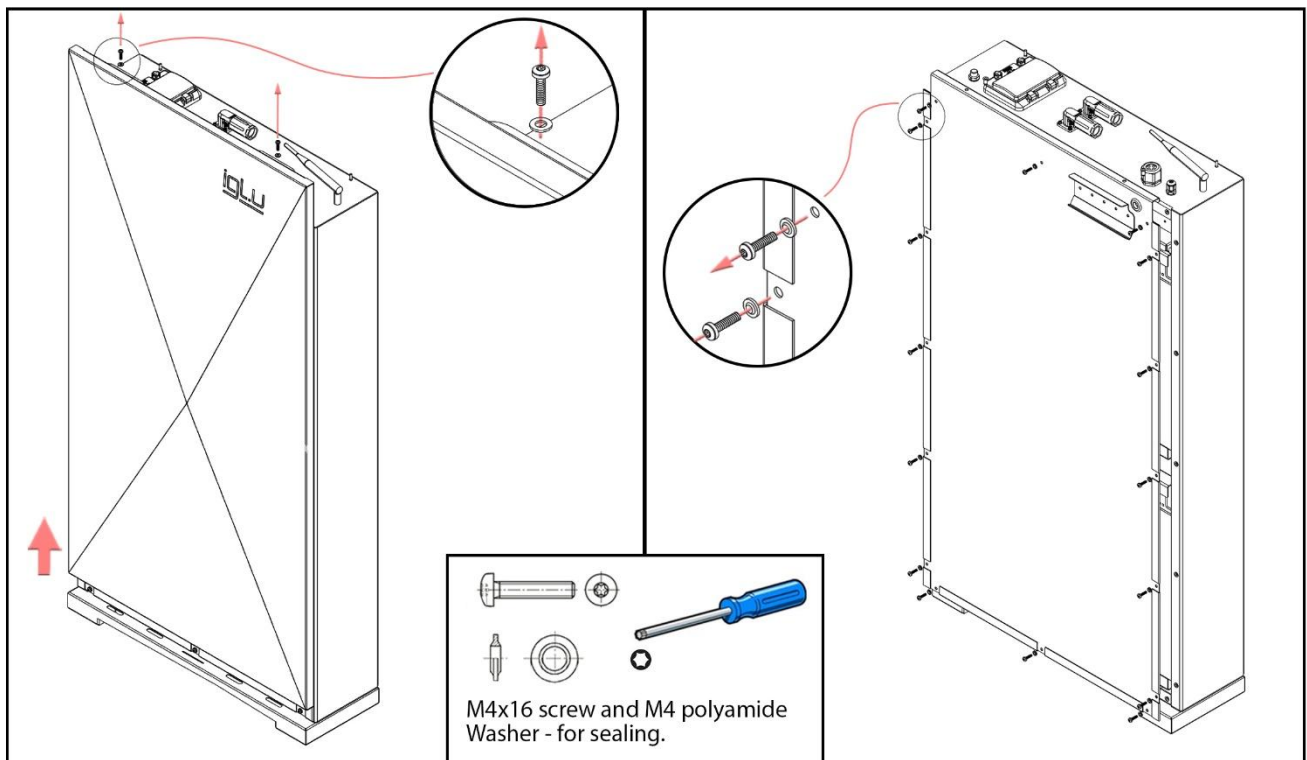
8. GND cable connection

- Connect the ground cable to the back of KADLU LV Home battery case before mounting it to the wall bracket.



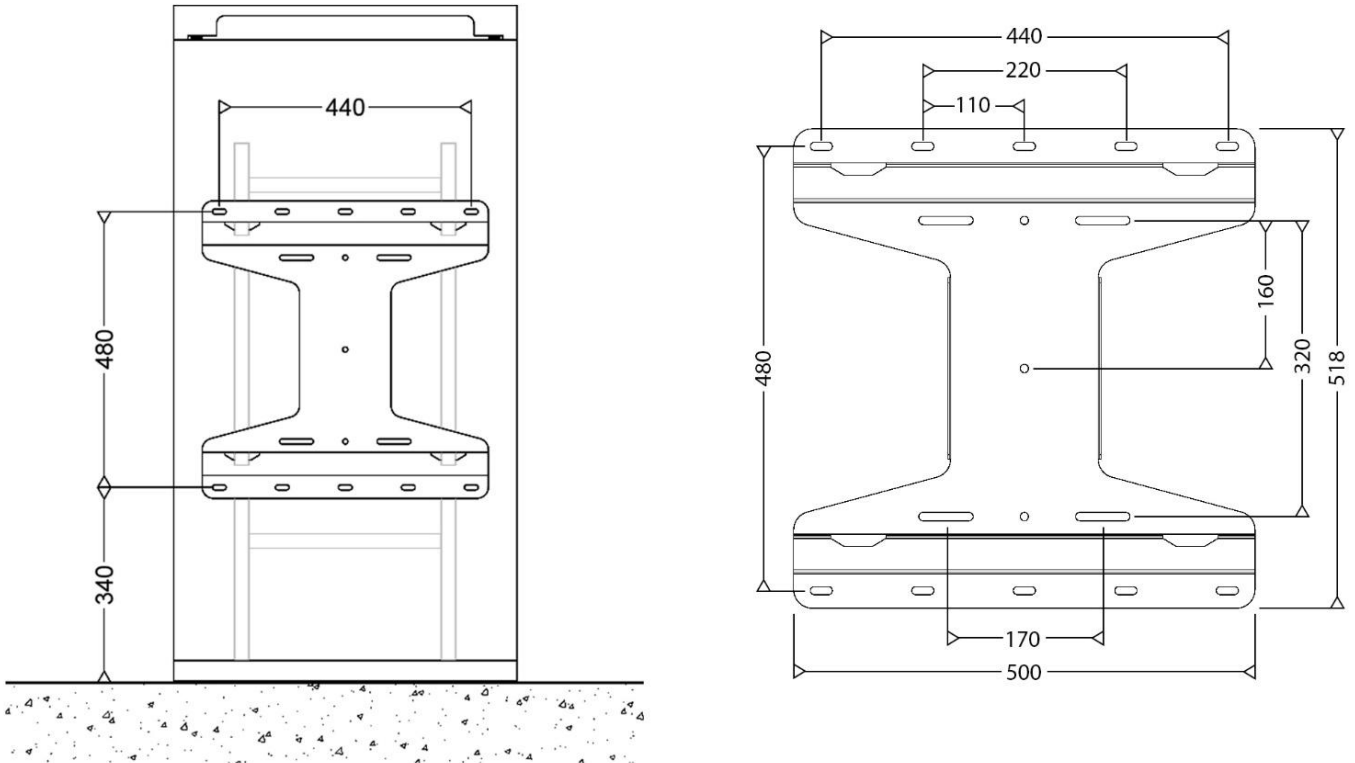
9. Front panel disassembly

- KADLU LV Home battery comes with preinstalled front panels.
- Unscrew two M4x16 screws from the top and side or find them in the supplied components box. Pull the front panel up and slightly, tilt it for easier disassembly.
- Unscrew sixteen M4x16 screws to remove the second panel with the rubber gasket.

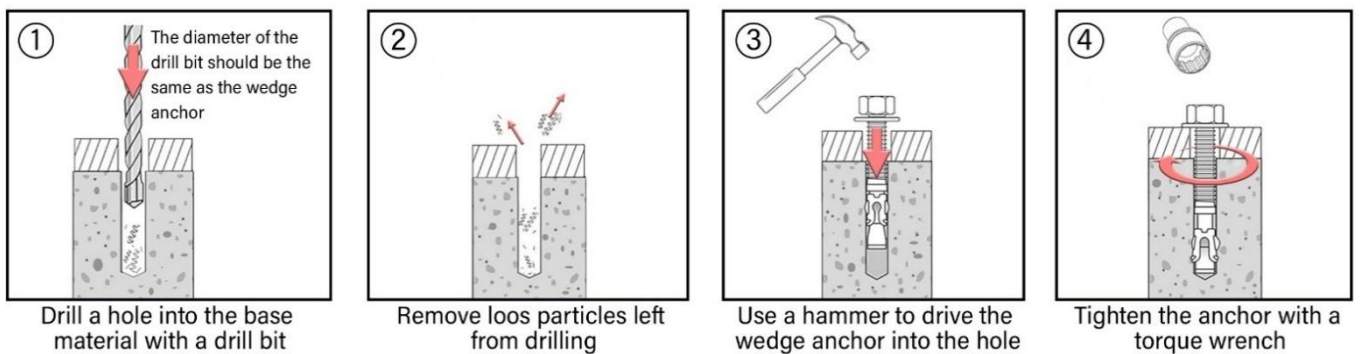


10. Backplate mount

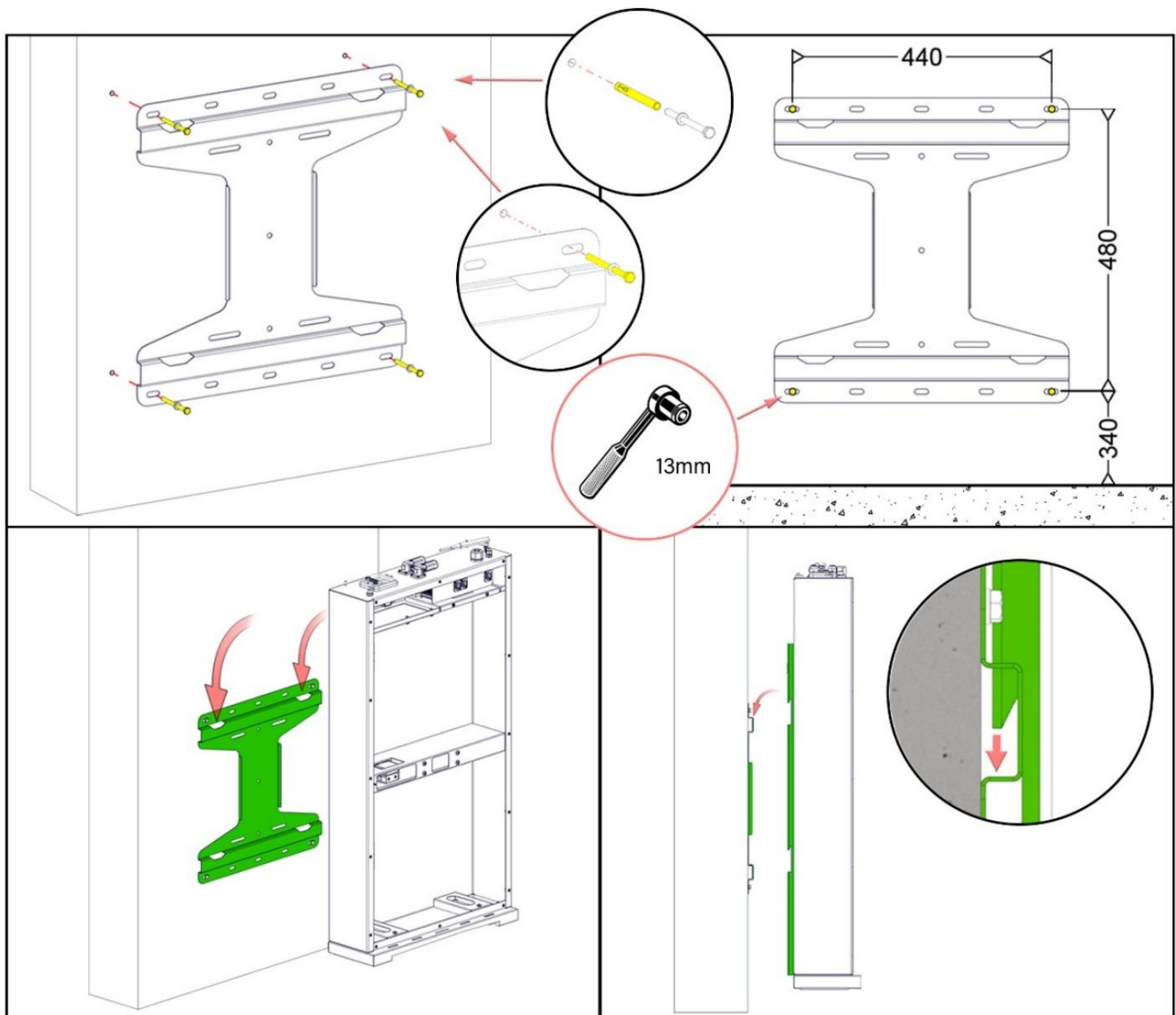
- Determine the installation position of the battery, and draw the installation hole position on the installation surface according to the drawing:



- Use an impact electric drill to drill holes in the concrete or stone (fireproof) wall. The drilling depth should be between 80mm and 85mm. Use a 10mm diameter drill bit.



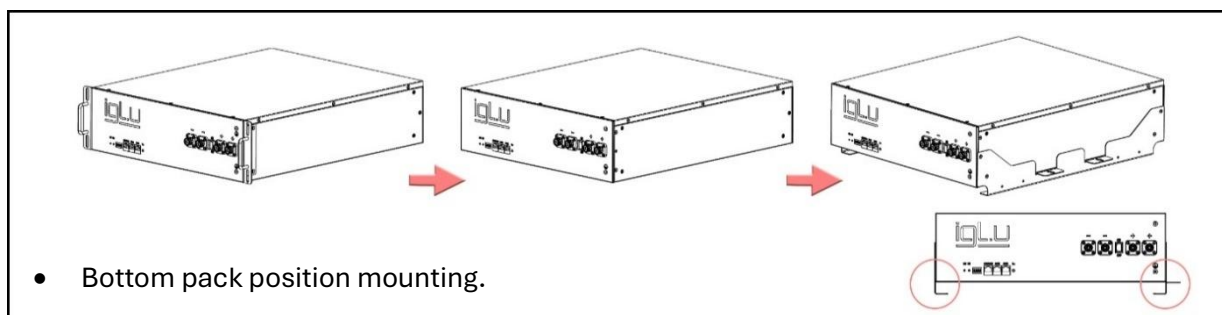
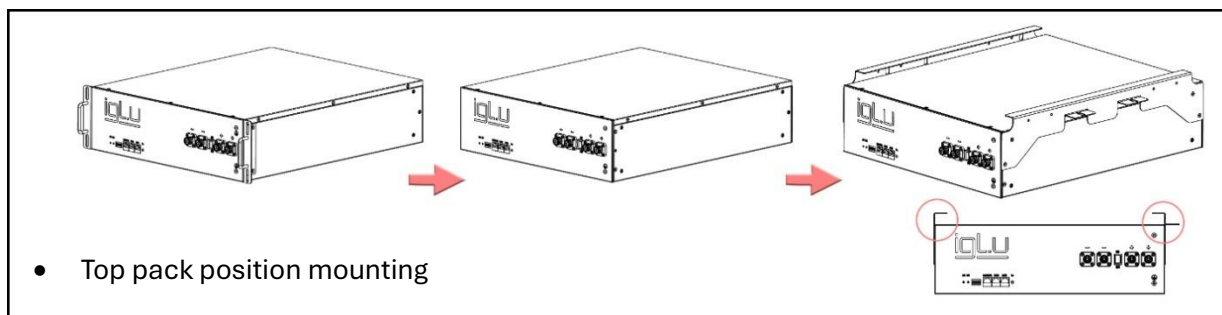
- Slightly tighten the expansion bolt and put it into the hole. Knock the expansion bolt with a rubber hammer until all the expansion pipe is in the hole.
- Take out the M8 bolts and position the bracket on to the wall. Level it with a laser or some other type of leveling device.
- Fix the "Back Plate,, to the wall.
- Hang the battery on the bracket according to the picture below.



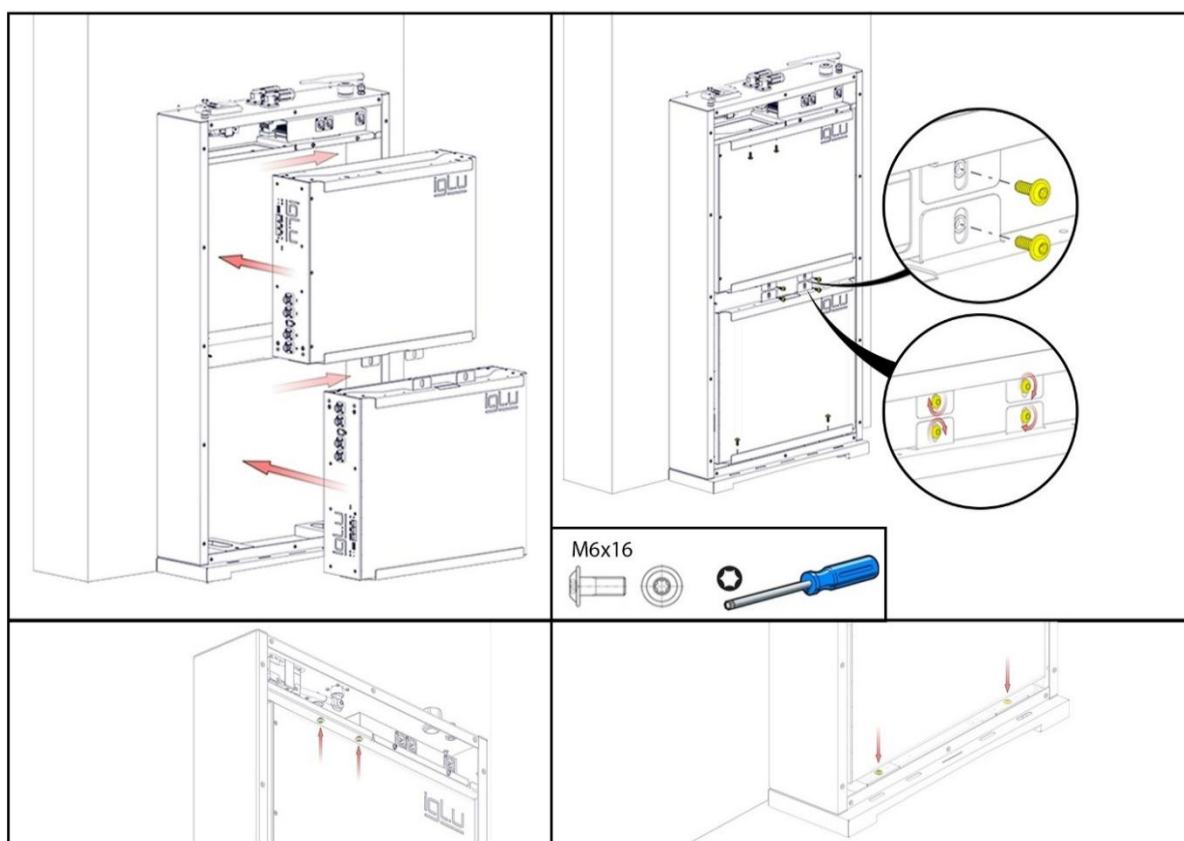
Note: Use provided M8x80 Expansion bolts which mainly are used for solid brick-concrete walls and concrete floors. If you choose other types of walls and floors, ensure that they meet the load-bearing requirements and select the bolts accordingly.

11. Battery pack installation

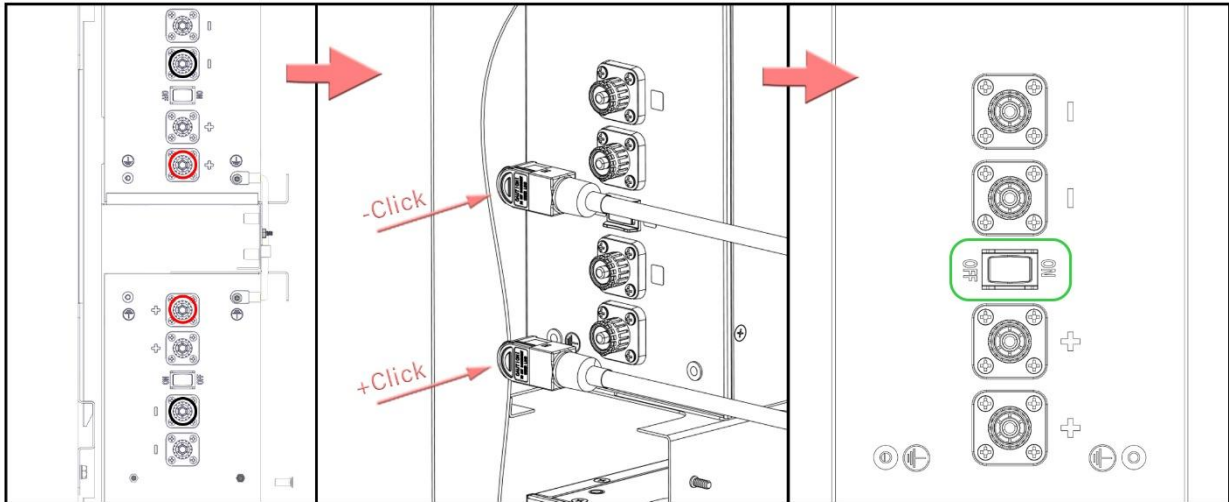
- First, use a screwdriver to remove the handle of the battery box.
- Fix the battery bracket on the battery box based on its position in the housing.
- Lift the battery packs and put it into KADLU LV and fasten them with 8pcs M6x16 screws.



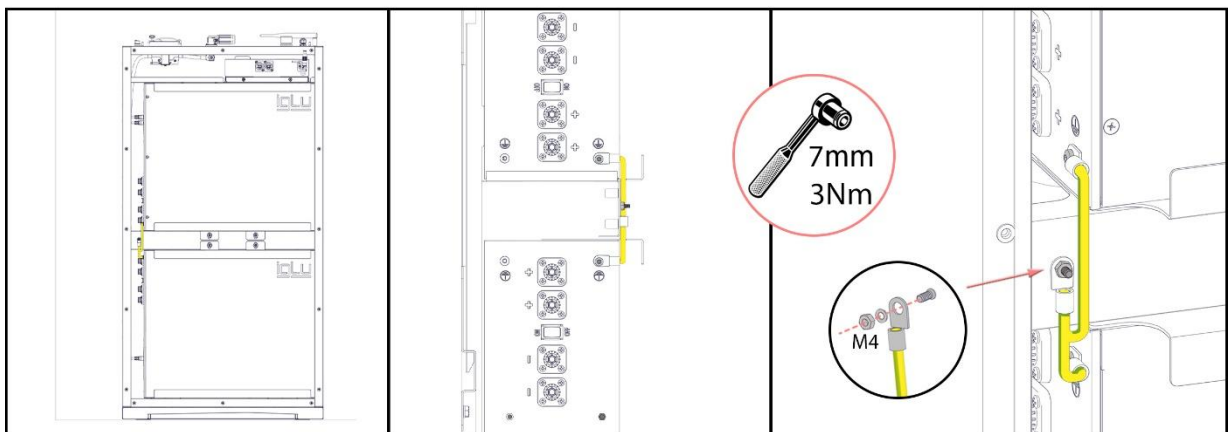
- Mounting the batteries in the housing with M6x16 screws. Tighten the screws with a force of 0.5Nm



- After battery pack installation connect the power cables. Make sure that everything is connected correctly and toggle the ON button on both battery packs.



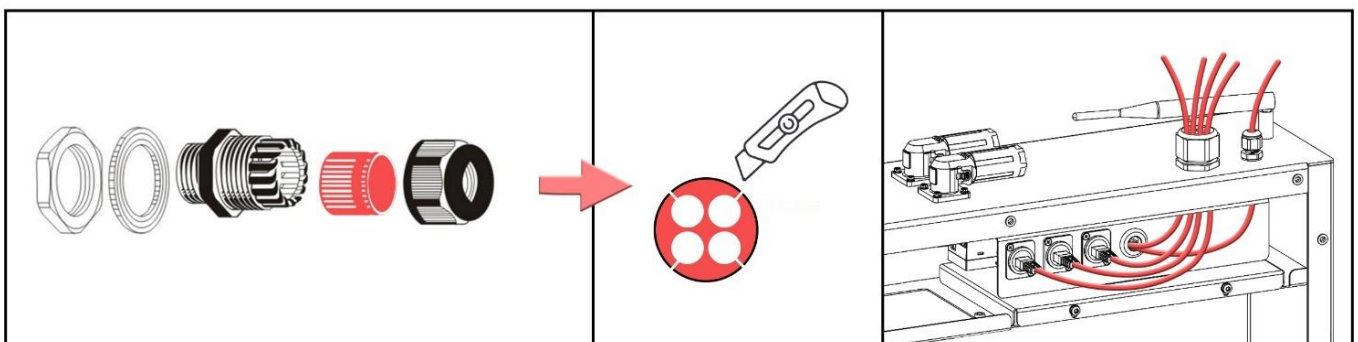
- Fixing the GND wire in the housing with M4 nut and washer.



12. Communication connections

12.1 Cable glands

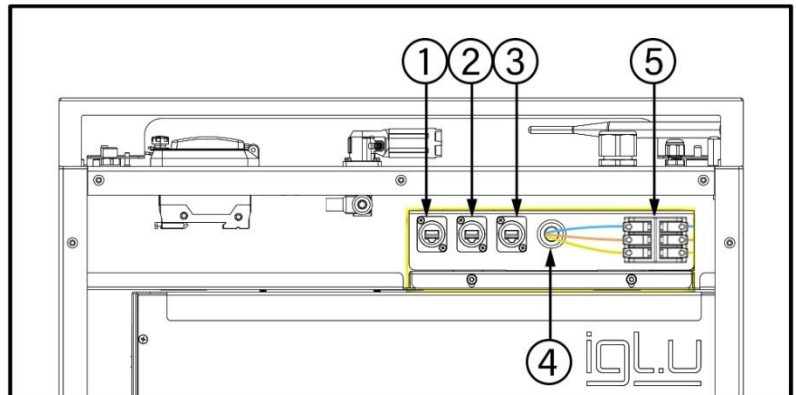
- Cable gland M25 diameter with four hole nylon insert. The insert needs to be cut as its shown in the picture below. Plug the unused holes with the provided nylon plugs.
- Second M12 diameter cable gland is four routing LED connection wire only.



12.2 Internal communication box

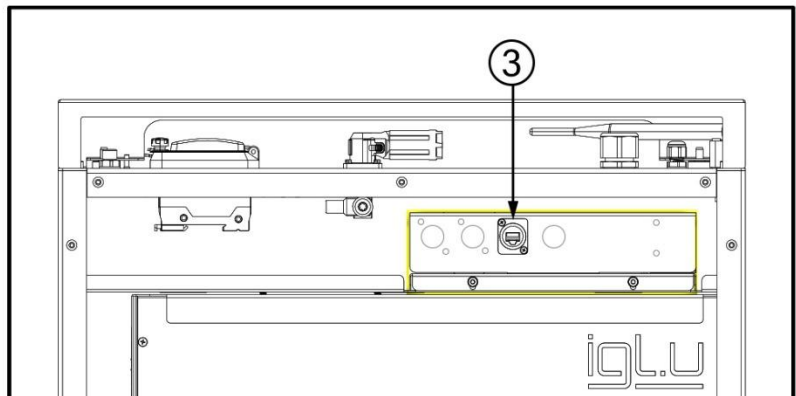
- Front panel interface of internal communication box. This configuration applies only to KLVH100D Primary battery model.

Connections	
Nr.	CABLE
1	CAN to Inverter
2	MODBUS to Inverter
3	Secondary unit input
4	LAN (ext. communication)
5	LED light connection

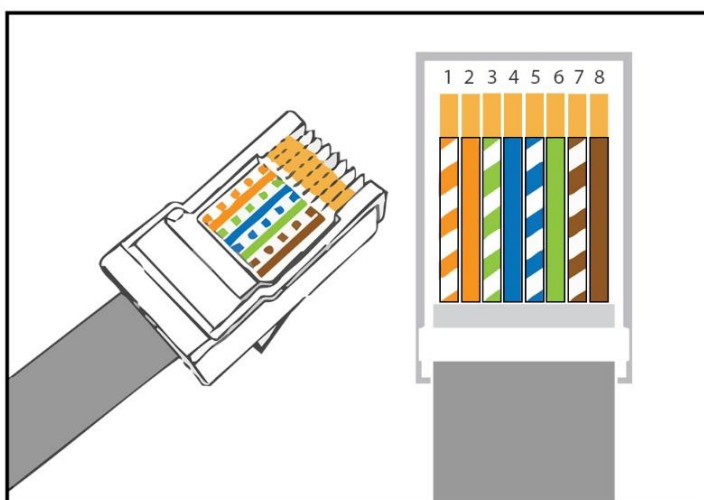


- Front panel interface of internal communication box. This configuration applies only to KLVH100S secondary battery model.

Connections	
Nr.	CABLE
1	-
2	-
3	Secondary unit output
4	-
5	-

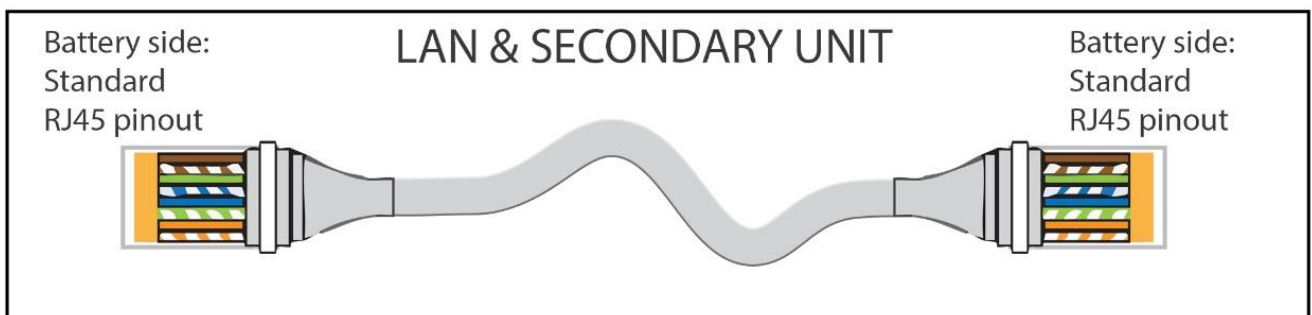
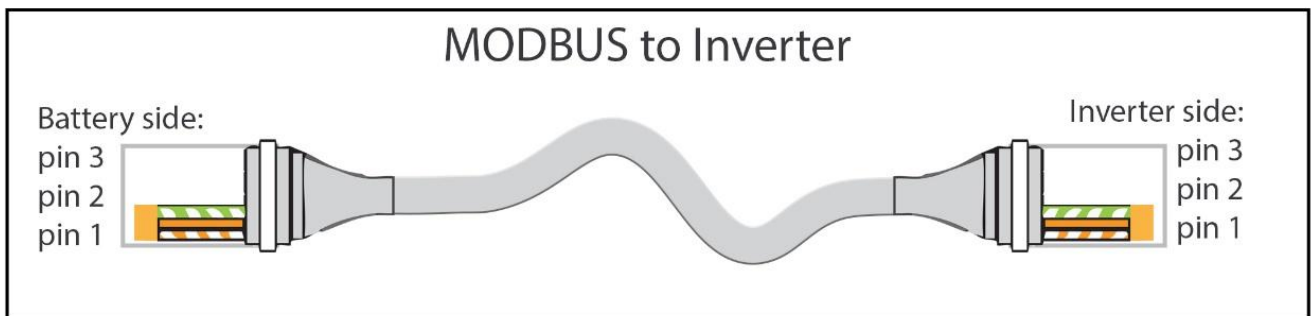
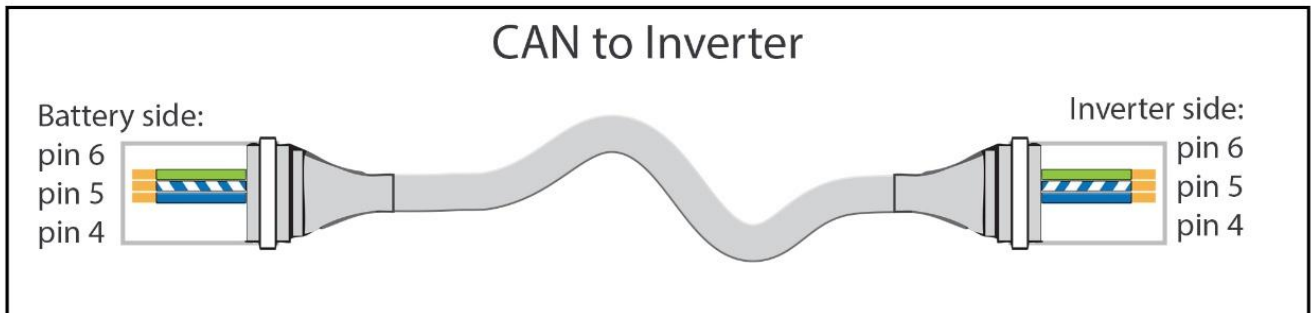


- Standard RJ45 Pinout



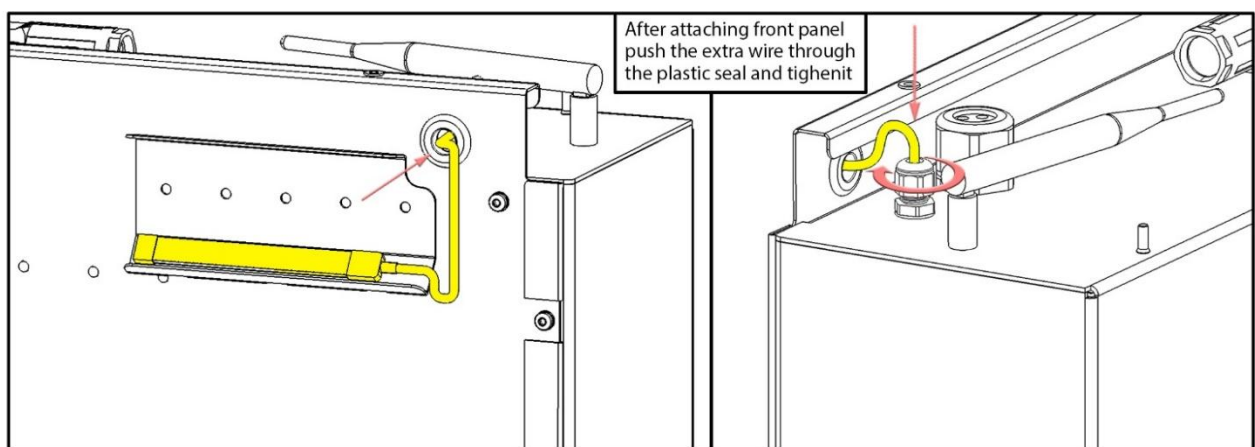
RJ45 Pin Configuration	
Pin	Color
1	White-Orange
2	Orange
3	White-Green
4	Blue
5	White-Blue
6	Green
7	White-Brown
8	Brown

- Always face the flat side of the terminal and count the pin slots from left to right correspond to 1 to 8. Read the pin definitions of both the battery and inverter carefully.



13. Installing the KADLU LV front cover

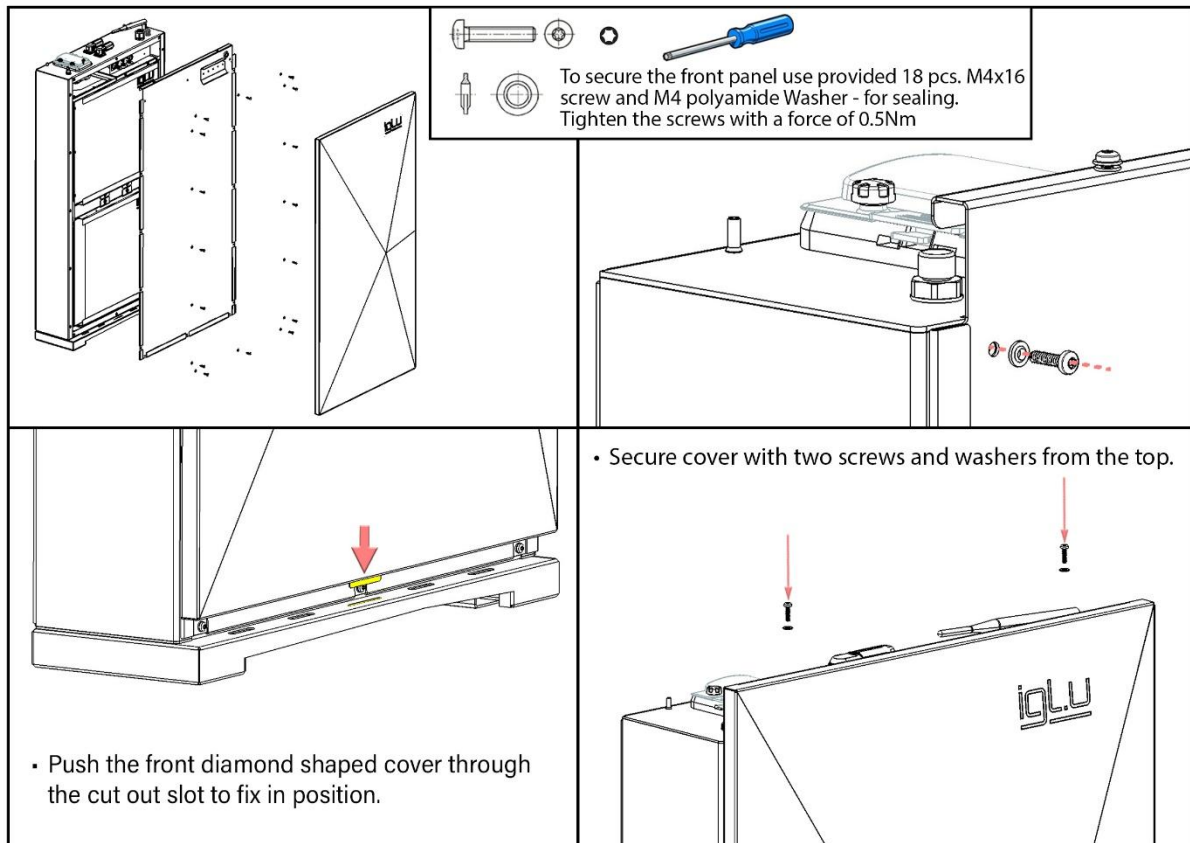
13.1 LED light connection



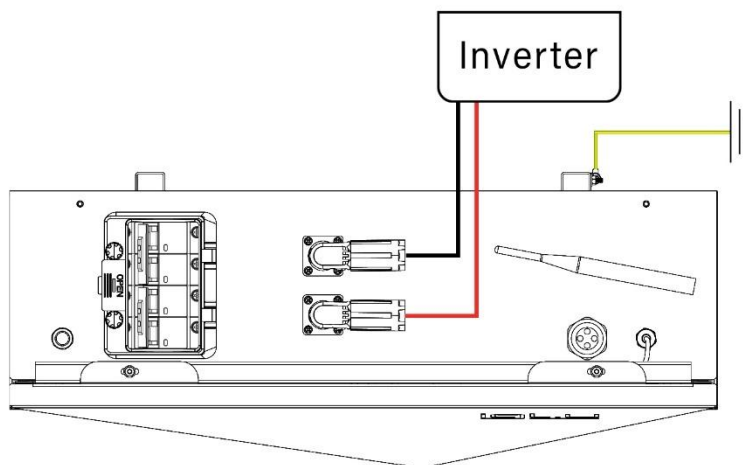
- Before closing the front panel attach the LED strip with adhesive tape or zip ties on the front panel as it shown in the picture

- Route the LED wire trough the hole in the front panel to the internal communication box. Push the wire trough PG7-M12 IP68 plastic cable gland.
- Leave some extra wire hanging out.
- Connect the wire to the fast clamping wire connection module. (5)
- When fully installing the front panel push the extra wire through the plastic seal and tighten it.

13.2 Front panel installation



14. Single unit connection

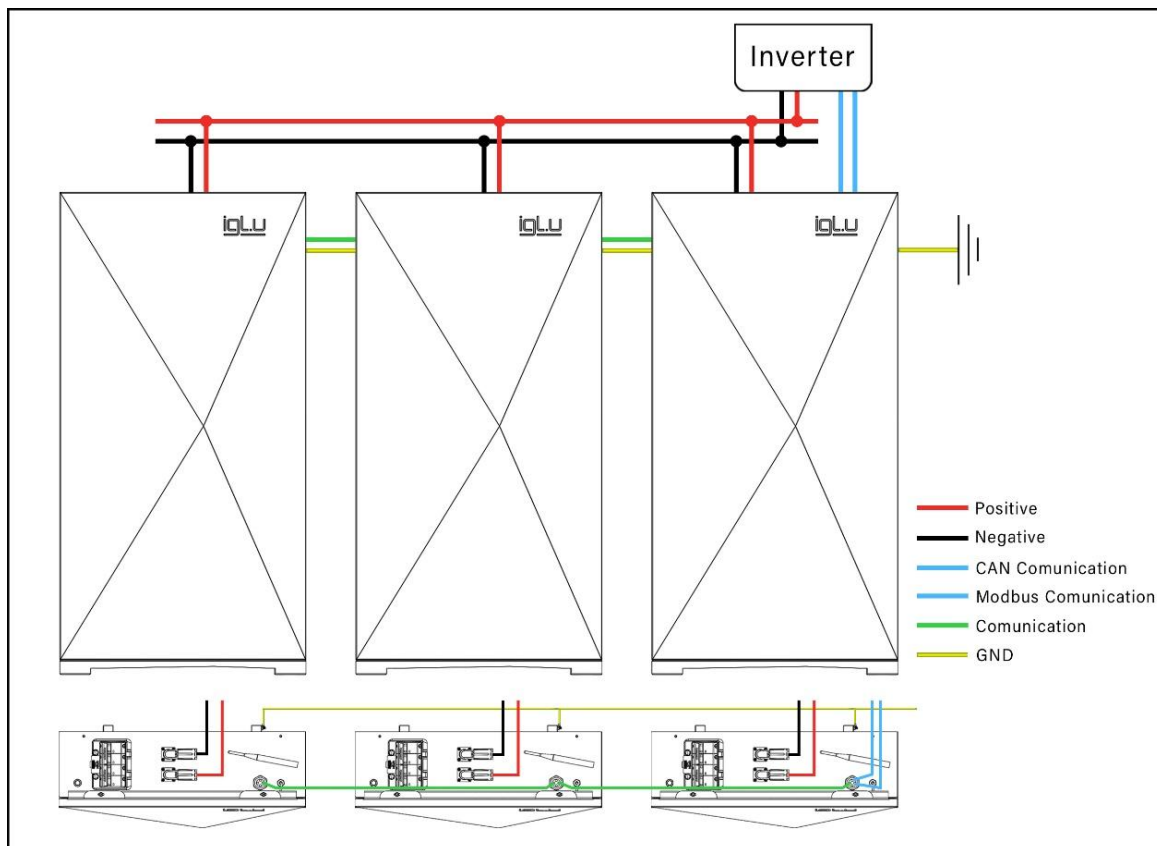


Note: Before electrical connection, ensure that the circuit breaker/power switch of the battery and all switches connected to the energy storage are in the OFF state. Otherwise, electric shock may occur.

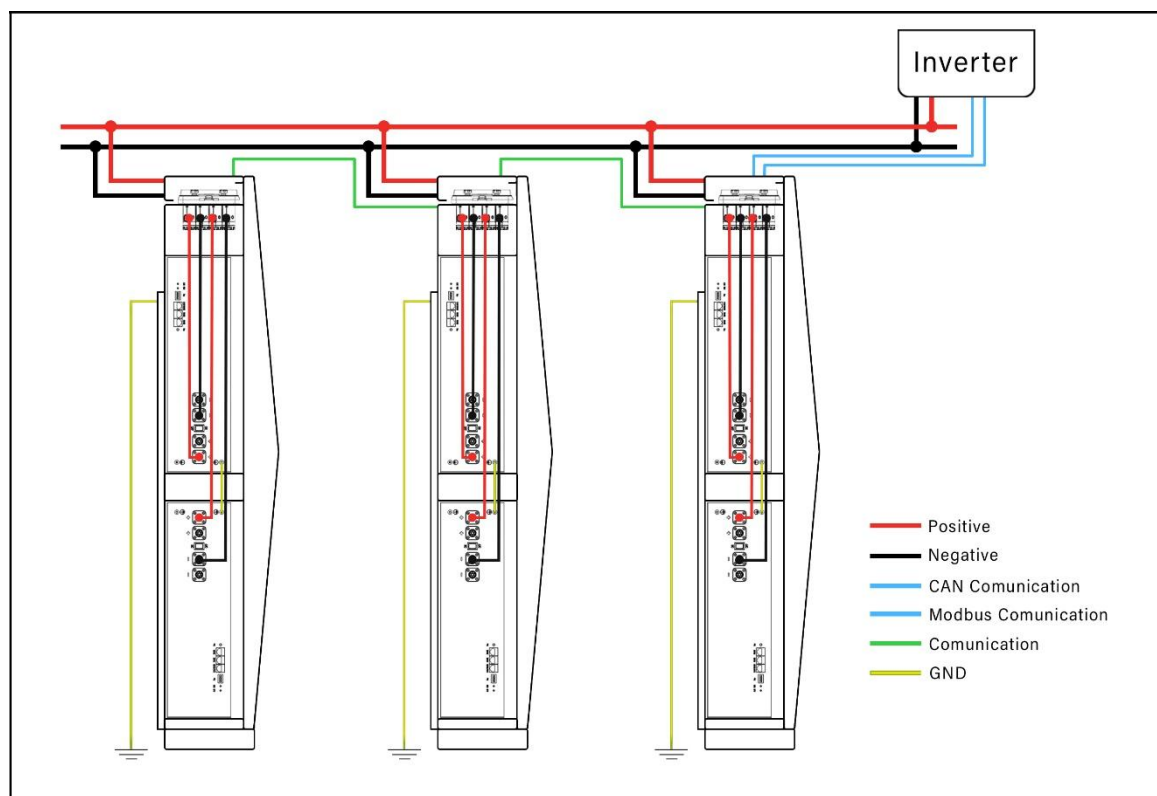
- This method of cable connection provides an output rating power of 10 kWh

15. Multi-unit connection

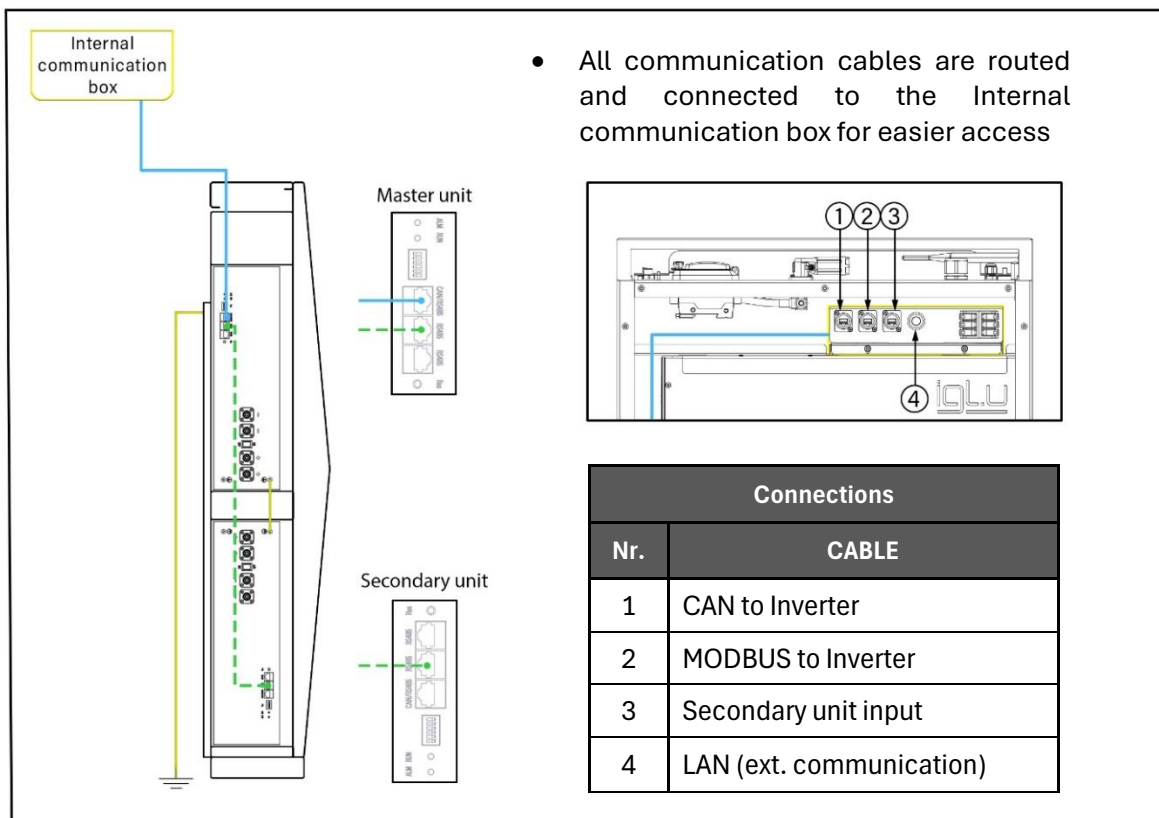
15.1 3-Unit connection example with bus-bars



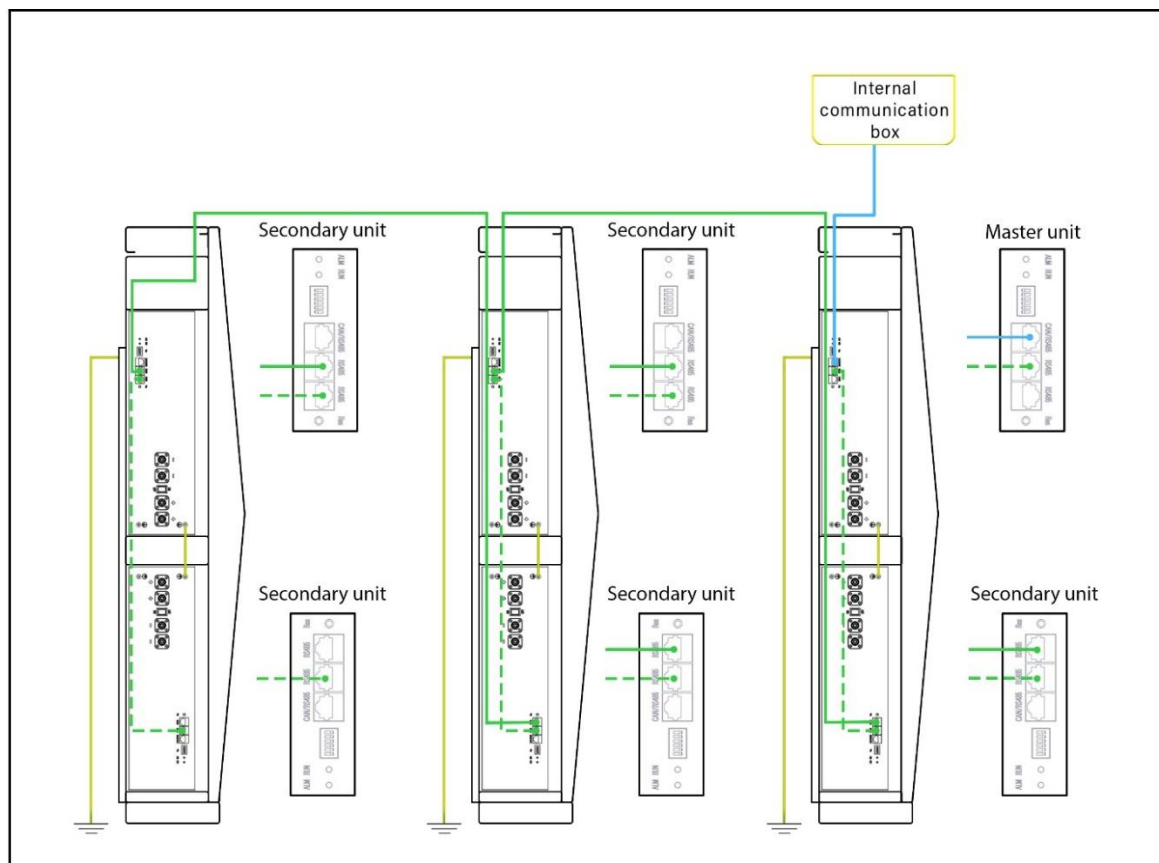
- The method of cable connection with a bus-bar will output a power of $3 \times 10 \text{ kW} = 30 \text{ kW}$.
- Max. number of parallel units: 5.



16. Communication cable connection

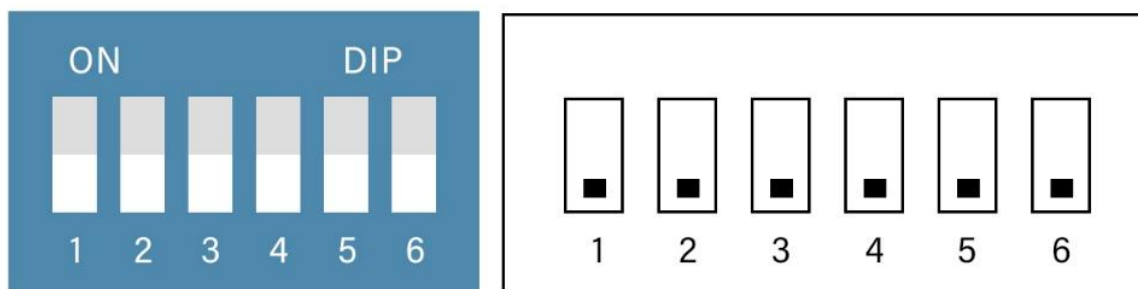


- 3-Unit communication connection example

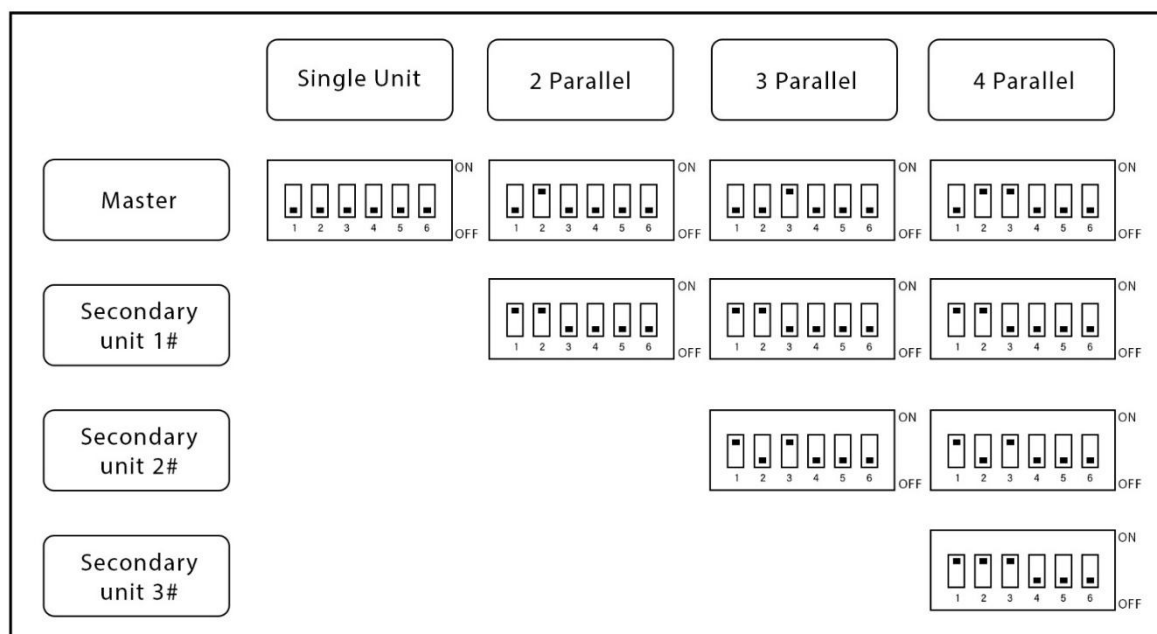


17. Set up master and secondary unit packs

- KADLU LV consists of 2 sets of KADLU LV PACK's. Master Pack and Secondary Pack
KLVH10051A10 can be used as single unit as well as multi-units (in parallel) mode. The customer must inform the supplier if multi-unit mode is required. The Master Pack can be used individually, but Secondary Pack cannot be used individually.



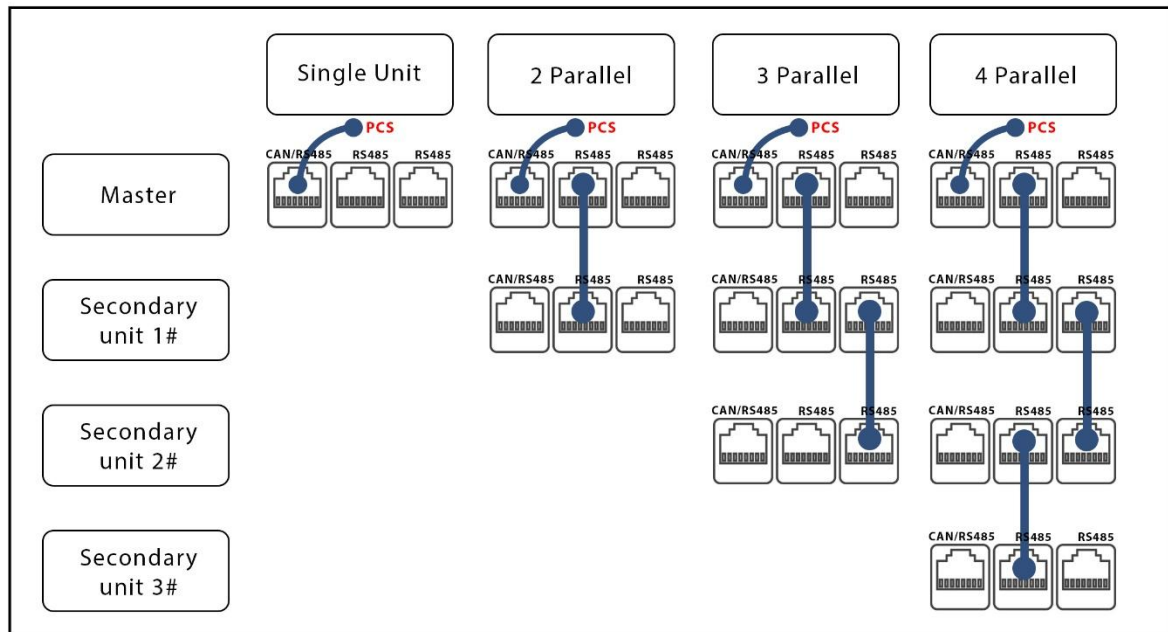
- Master/Secondary unit address DIP switch configuration for up to 4 units in parallel



- Master/ Secondary unit address DIP switch configuration for up to 10 units in parallel

Number of Batteries	1	2	3	4	5	6	7	8	9	10
Master1	000000	010000	001000	011000	000100	010100	001100	011100	000010	010010
Secondary2		110000	110000	110000	110000	110000	110000	110000	110000	110000
Secondary3			101000	101000	101000	101000	101000	101000	101000	101000
Secondary4				111000	111000	111000	111000	111000	111000	111000
Secondary5					100100	100100	100100	100100	100100	100100
Secondary6						110100	110100	110100	110100	110100
Secondary7							101100	101100	101100	101100
Secondary8								111100	111100	111100
Secondary9									100010	100010
Secondary10										110010

- Master/Secondary communication connection configuration for up to 4 units in parallel



Please note the following precautions to ensure the best long-term operation of Kadlu LV storage systems with multiple packs in parallel. This document will refer to such a group of many parallel batteries as a battery bank.

Note: Make sure these requirements are met before powering on the batteries in parallel.

Maximum Voltage Difference between Packs

Kadlu LV batteries are quite unique in that they have a dedicated integrated charge circuit so that after initial parallel connection, batteries with a lower voltage can be safely charged automatically from those with a higher voltage. However, we strongly recommend that all batteries in the battery bank are within 3.0 V of each other regardless to cover all corner cases. This means that the voltage of the battery with the highest voltage in the battery bank is no more than 3.0 V higher than the battery with the lowest voltage in the battery bank before initial connection. An example for a battery bank of 4 batteries:

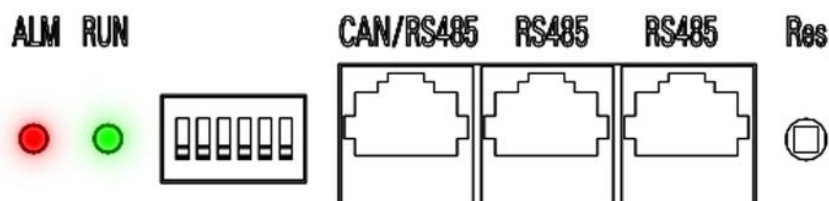
Battery number	1	2	3	4
Voltage before firstconnection	51.2 V	52.6 V	50.8 V	50.1 V

In this example the highest voltage is from battery 2, with 52.6 V. The lowest voltage is from battery 4 with 50.1 V. The difference between the highest and lowest is $52.6 \text{ V} - 50.1 \text{ V} = 2.5 \text{ V}$. As 2.5 V is less than the recommended maximum difference of 3 V, these batteries may be connected in parallel to each other. If 3 V difference are exceeded, please charge the batteries with the lowest voltages, or discharge the batteries with the highest voltages until the difference between the highest and lowest voltage battery in the battery bank no longer exceeds 3 V.

18. System status

18.1 Pack LED indicator

- There are 2 LED indicators, 1 red Alarm LED and 1 green Running Status LED (indicating charging, discharging etc.).

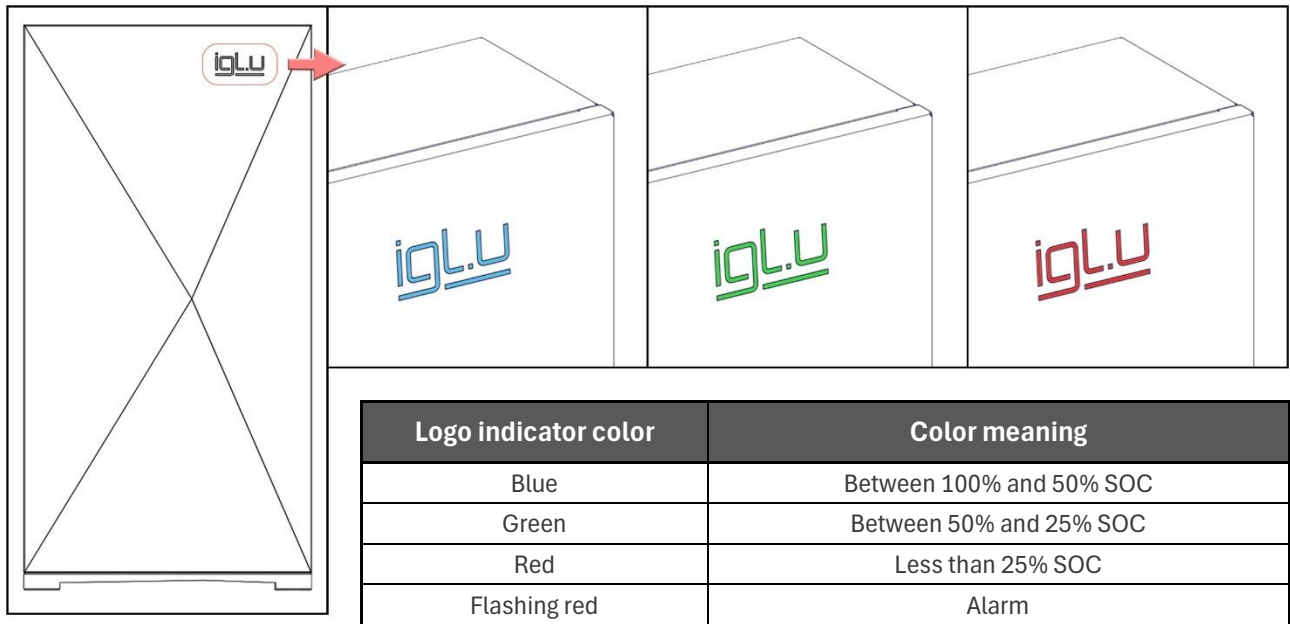


Status	Normal/Warning/ Protection	RUN	ALM	Remarks
				
Power Off	Sleep / Hibernate	Off	Off	
Stand-by	Normal	Flashing 1	Off	
	Warning	Flashing 1	Off	Temp. Warning ALM Flashing 3
Charging	Normal	Flashing 2	Off	
	Warning	Flashing 2	Off	Temp. Warning ALM Flashing 3
	Overcharging	Flashing 1	Off	
	Overheat, Low Temp., Over-current	Flashing 1	Flashing 2	
Discharging	Normal	Continuous	Off	
	Warning	Continuous	Flashing 3	Overcharging, ALM off
	Over-discharging	Flashing 1	Off	
	Overheat, Low Temp., Over-current, Short- circuit	Flashing 1	Flashing 2	
Malfunction	Warning	Off	Continuous	BMS damage, MOS damage, temp. sampling malfunction

18.2 LED flashing status

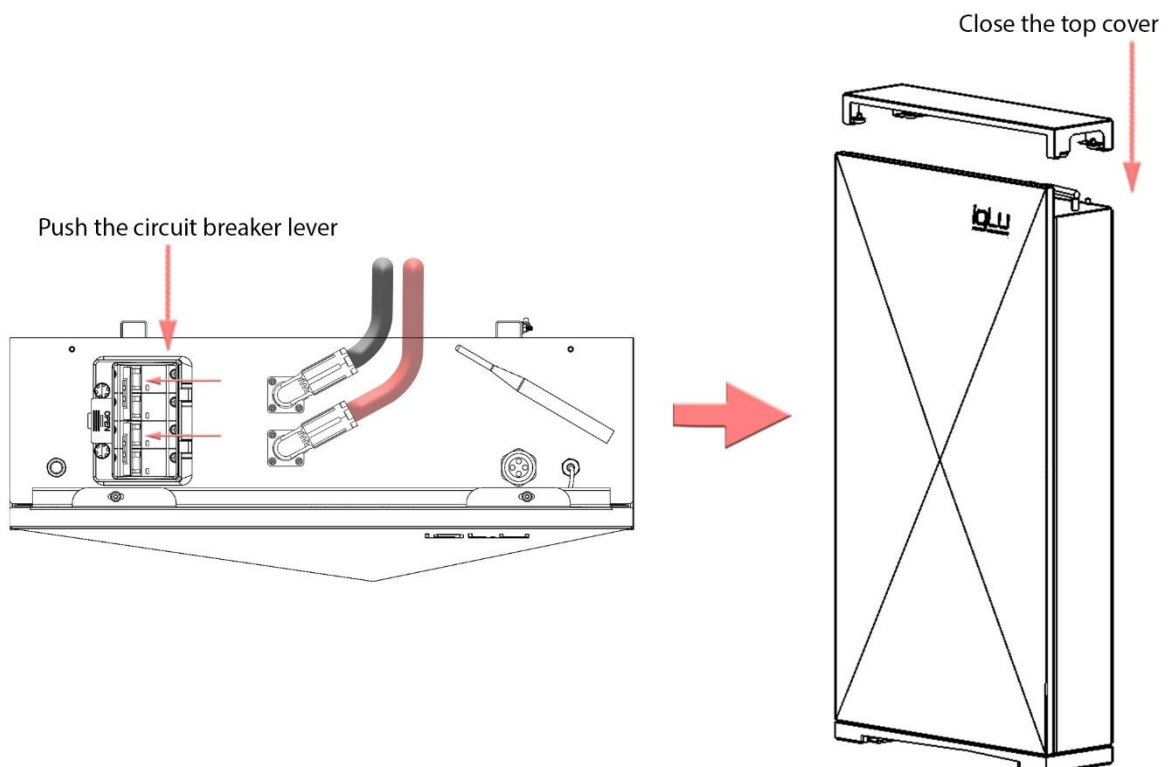
Status	On	Off
Flashing 1	0.25s	3.75s
Flashing 2	0.5s	0.5s
Flashing 3	0.5s	1.5s

18.3 KADLU LV front panel LED indicator



19. Turn on the system

- Arrange the communication/power wire properly.
- Ensure that all conduit or cable gland junctions are properly sealed.
- Turn on the circuit breaker to ON “side”.
- When KADLU LV establishes communication with the Inverter, the info shall be properly green from the Inverter software or its screen.



20. Technical support

- Further support can be achieved via IGLU Service Team. Please contact the salesperson when needed. The following information is useful to have ready when contacting IGLU:
- Owner Name
- KADLU LV serial number
- Brief description of the issue

20.1 Trouble shooting

- If KADLU LV is not working correctly, perform the following steps.
- Check the status of the LED on the panel. The indication status can be referred to **KADLU LV User's Manual** in battery package.

20.2 Maintenance

KADLU LV does not require pre-scheduled preventative maintenance. The only maintenance required by an owner is to keep the unit free and clear of debris, especially around the air intake and exhaust.

To clean KADLU LV, use a soft, lint-free cloth. If needed, the cloth can be dampened with mild soap and water only. Do not use cleaning solvents to clean KADLU LV or expose unit to flammable or harsh chemicals or vapors.

21. Transportation and storage

21.1 Transportation

- It is forbidden to encounter serious vibration and shock during transportation.

21.2 Storage

- If the system is not placed to use, the system must be properly stored. Otherwise, if any issues, IGLU shall not be liable.
- It should be stored in 60% SOC status.
- It should be stored at ventilation environment, Temp. < 35 °C, ROH <65%.
- It should be stored to avoid humidity.
- It should be stored in a place where it can be monitored by professionals.

22. Additional documents and information

22.1 Output Cable - B

- Information about provided connectors - <https://www.phoenixcontact.com>

Homepage > Service and support > Product help > ES-BPC-C 50-70 > Battery pin connector

- 1x ES-BPC-C 50-70 BK – Connector
- 1x ES-BPC-C 50-70 OG – Connector



23. Disclaimer

- Please note that IGLU is not responsible for any additions or modifications made to this user manual without prior notice to customers.
- IGLU also assumes no liability for the safety or longevity of the KADLU LV Home Battery when connected to third-party platforms.
- In case of long power outage do not let KADLU LV battery drain completely. Disconnect the battery with at least 5% of charge.
- Please note that IGLU is not responsible for any miscommunication between KADLU LV battery and inverter if you decide to update inverter software. Do not manually update inverters software.



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