



Battery Installation Application Form July 20, 2018

This form must be completed by customers, with or without CORE systems, who wish to install a battery storage system onto their existing or proposed electrical system interconnected with CUC.

1. Customer Information

1.1. Billing Information

Name: _____

PO Box _____, Grand Cayman KY1- _____

Street Address: _____

District: _____

Telephone: Work: _____ Mobile: _____

Home: _____ Email: _____

CUC Account #: _____

1.2. Battery Physical Location

Street Address: _____

District: _____

Block & Parcel: _____

2. Battery Information

Make and Model of Battery System: _____

Name Plate Capacity Rating of Batteries (when fully charged) _____ kWh AC _____ kW AC

Inverter is UL 1741 & IEEE 1547 certified: Yes No

Inverter has HECO¹ compliant capability and settings: Yes No

¹ Refer to section 3.13 of CUC's CORE Credit & Interconnection Agreement, or DER Excess Energy Sale & Interconnection Agreement, for further information on HECO settings.



Make and Model and no. of Inverters: _____

Total Name Plate Capacity Rating of Inverter(s) _____ kW DC: _____ kW AC

Inverter Voltage: 120/240 (single phase) 120/208 (three phase) 277/480 (three phase)

Maximum charging load of battery system measured at the inverters _____ kW AC

Maximum discharge rate of battery system measured at the inverters _____ kW AC

3. Battery Connection Diagram

The customer shall submit a one line diagram of the proposed battery installation and arrangement for approval by CUC prior to installation. Sample diagrams are included on pages 3 to 5 of this form.

4. Installer Information

The battery storage system must not energise CUC's distribution system when the CUC's distribution system has an outage.

Does the battery storage disconnect from the grid when the grid is out of service? Yes No

Battery system to be installed by (name of Electrical Contractor): _____

Contact Person's Name: _____

P.O. Box _____, Grand Cayman KY1- _____

Telephone: Work: _____ Mobile: _____

Other: _____ E-mail: _____

5. Other Generating Equipment

Is there any existing Electric Generating Equipment at this location? Yes No

If "Yes", please provide details (e.g. Is this backup diesel generation? What is its size? When was it installed? Date of initial main CUC service connection? How often has it been used?):



6. Requirements

To ensure the safe and dependable operation of the electrical equipment, customers shall ensure that the battery storage systems are compliant with the Electricity Law (2008 Revision), Electricity Regulations (2005 Revision), the T&D Code, the National Electric Code ("NEC"), IEEE Standard 1547 and UL Standard 1741. Customers with battery storage systems shall ensure that the systems are set up so that they do not export power from the customer's premises to the grid unless with written agreement by CUC.

A maximum limit of 250 kW total battery system capacity per customer premises is permitted to connect to the CUC T&D system. Larger systems are governed by the T&D code and are managed by CUC on a case by case basis. If a battery system is to be operated in parallel to the CUC T&D system on premises with CORE or DER systems, then the combined output, (total inverter capacity for inverter based systems) shall be no more than 250 kW at a customer's premises.

If at any time CUC determines that the continued operation of the battery storage system may endanger any person or property or the CUC T&D System, or have an adverse effect on the safety or power quality of other CUC customers, CUC shall have the right to disconnect the Customer from the CUC T&D System and the Customer will be promptly informed in writing of the action taken and the reasons for such action. The Customer shall remain disconnected until such time as CUC and the Government Electrical Inspector are satisfied that the endangering or power quality conditions have been corrected. CUC shall not be liable directly or indirectly for the acts or omissions of the Customer that result in loss or injury, including death, to any third party. It is the responsibility of the Customer to protect his or her battery installation from voltage imbalances and disturbances from the CUC T&D System or reclosing operations after a power interruption.

6.1 Battery Installation Validation

Please send the following information as a single package to the address below within one month of BCU confirming to CUC that the battery storage system has passed inspection, or within one month of energization of the system, whichever is the later:

- a) A copy of the original Battery Installation Form, updated if appropriate,
- b) Receipt of the BCU's electrical inspection permit and any other required approvals from the BCU confirming to CUC that the battery storage system referred to in this form has passed inspection by BCU,
- c) Inverter specification data sheets
- d) Battery specification data sheets
- e) Proof that the inverter meets UL 1741 and IEE 1547 e.g. certification,
- f) Proof that the inverter has been set up to meet HECO compliant capability and settings (grid disturbance ride through - frequency and voltage related settings in particular),
- g) Photos with digital date stamp of the following:
 - i. Inverters – nameplate label including model number,
 - ii. Inverter screenshot to show compliance with HECO settings
 - iii. AC System Disconnect – a physical means of isolation between the inverter and the grid is required, e.g. fuse, switch or meter removal. Please state the preferred means of disconnection and provide nameplate label, signage showing location in relation to meter, switches must be labelled accordingly: 1 of 3, etc. For CORE and DER systems, a utility accessible disconnect switch is required.
 - iv. Additional Photos may be required based on the size and design of the system.



Address to send package (Mail, Email or Drop off):

DER/CORE Program
457 North Sound Road
P.O. Box 38, Grand Cayman KY1-1101
Cayman Islands
renewables@cuc.ky

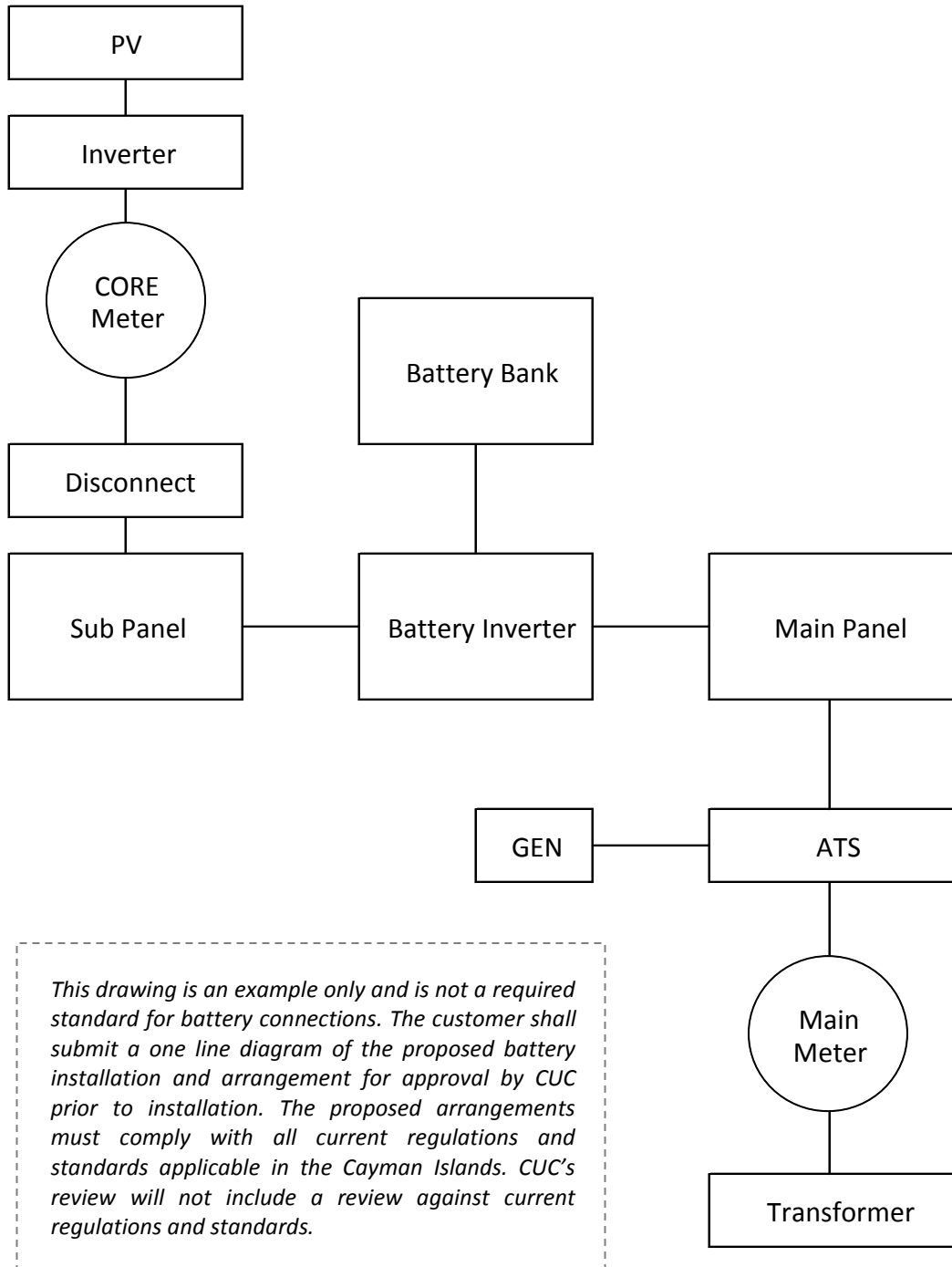
CUC may terminate the Customer Agreement if the Customer fails to provide to CUC any of items (a) to (f) above within one month of BCU confirming to CUC that the battery storage system has passed inspection, or within one month of energization of the system, whichever is the later.

I certify that the above information is correct and that this battery installation complies with the requirements of CUC.

Customer Name (Print): _____

Signature: _____ Date: _____

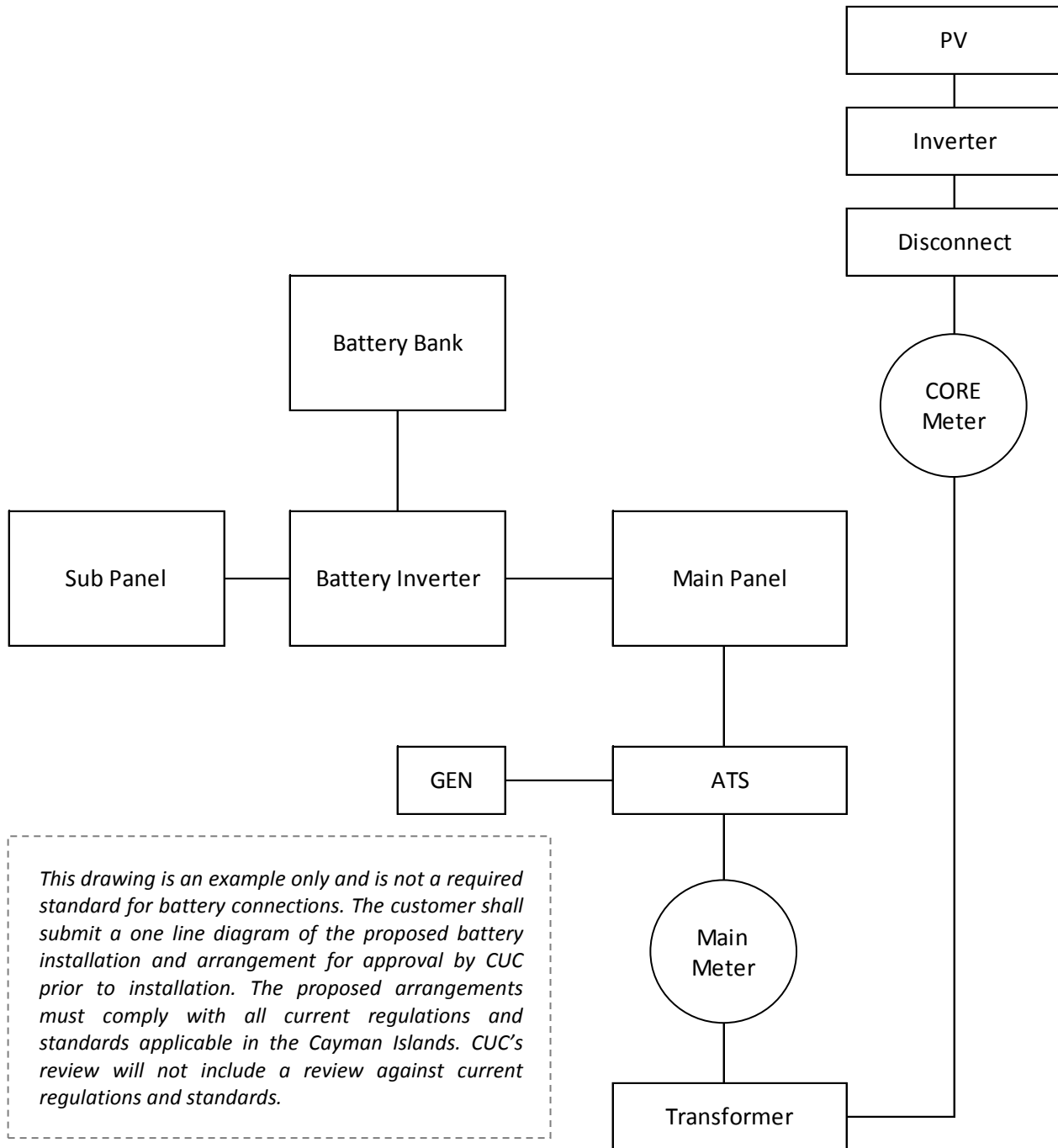
Sample Battery Connection, Type A CORE Installation



Notes:

1. The generator (GEN) and transfer switch (ATS) are optional equipment.
2. The transfer switch may be automatic or manual, depending on the customer's requirements.
3. Where batteries are intended to supply whole house loads, the sub panel will be the main panel.

Sample Battery Connection, Type B CORE Installation

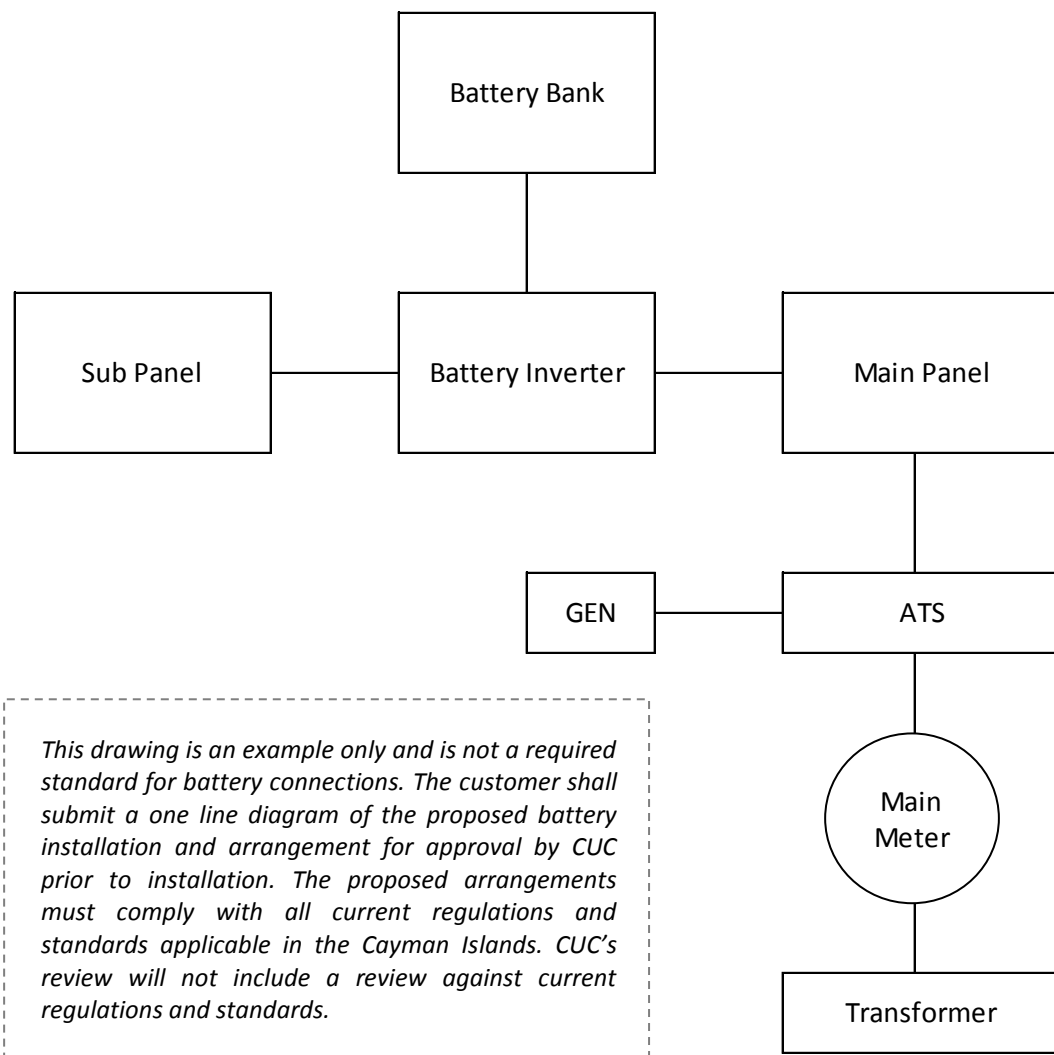


This drawing is an example only and is not a required standard for battery connections. The customer shall submit a one line diagram of the proposed battery installation and arrangement for approval by CUC prior to installation. The proposed arrangements must comply with all current regulations and standards applicable in the Cayman Islands. CUC's review will not include a review against current regulations and standards.

Notes:

1. The generator (GEN) and transfer switch (ATS) are optional equipment.
2. The transfer switch may be automatic or manual, depending on the customer's requirements.
3. Where batteries are intended to supply whole house loads, the sub panel will be the main panel.

Sample Battery Connection, Backup Battery Power



This drawing is an example only and is not a required standard for battery connections. The customer shall submit a one line diagram of the proposed battery installation and arrangement for approval by CUC prior to installation. The proposed arrangements must comply with all current regulations and standards applicable in the Cayman Islands. CUC's review will not include a review against current regulations and standards.

Notes:

1. The generator (GEN) and transfer switch (ATS) are optional equipment.
2. The transfer switch may be automatic or manual, depending on the customer's requirements.
3. Where batteries are intended to supply whole house loads, the sub panel will be the main panel.