|  |  |  |  |
| --- | --- | --- | --- |
| **System Record Sheet** | | | |
| Installer | | End-Customer | |
|  | Name | |  |
|  | Str./No. | |  |
|  | Postcode/Town | |  |
|  | Telephone/Mail  (Landline and Mobile) | |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Wholesaler |  | | |
| Part-No.: |  | | |
| Serial-No.: |  | | |
| Installation-Date |  | Commissioning Date |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Installation** | | | |
| 1. Batterie-Type   (e.g. RESU 10H; RESU 6.5) |  | 1. Inverter-Type |  |
| 1. Back-up function? |  | 1. Software-Versions(s) (Inverter) |  |
| 1. Battery voltage   **measured (at battery pack!)** | ­­­\_\_\_\_\_\_\_\_\_\_V | 1. Inverter serial number |  |
| 1. Hast he battery ever been recharged manually? If so, how low was the voltage? |  | 1. **Only high voltage batteries**: Do you have an black auxialiary switch or a 2-pole switch? |  |

|  |
| --- |
| 1. **Error description** |
|  |
| 1. **Error codes (from inverter)** |
|  |

|  |  |  |
| --- | --- | --- |
| Has the system been previously operating? (has it charged/discharged?) | *YES / NO* |  |
| Is the internal circuit breaker able to be turned ON & OFF? | *YES / NO* |  |
| Do the battery LED lights illuminate? | *YES / NO* |  |
| Is the Warning or Fault LED light on? | *YES / NO* |  |
| Does the inverter recognize the battery BMS? | *YES / NO* |  |
| What is the fault code indication on the inverter screen? |  | |
| Is AC-grid and inverter energy meter correctly installed to the inverter? (correct direction as well?) | *YES / NO* |  |
| If you have already done the online test, what is the certificate number? |  | |
| Does the battery show any swelling? (If YES, then send please photos!) | *YES / NO* | |

1. *Battery-Type: e.g. RESU10H-R or RESU 6.4EX.*
2. *Inverter Type: e.g. SMA Sunny Boy Storage or Solar Edge, etc.*
3. *Back-up function used? (Yes/No)*
4. *Software-version(s) of the inverter.*
5. *Measured battery voltage:*

* *High voltage batteries (RESU 7H/10H):*
  + *1. Remove the black top cover*
  + *2. Disconnect the connection to the DC/DC converter*
  + *3. Measure directly at the connection terminal from the battery pack*
* *Low-voltage batteries (RESU 3.3/6.5/10/6.4EX):*
  + *1. Please switch the circuit breaker into the OFF position*
  + *2. Switch the circuit breaker into the ON position*
  + *3. Measure the voltage at the connection terminal of the battery*

1. *Serial number of the inverter, maybe for later requests at the inverter-support*
2. *Is the system connected to the internet? (inverter-portal?)*
3. *For high voltage batteries Type-R (for SolarEdge, Fronius, Huawei) exists two different types: The first has a black auxiliary switch below the 5-pole main circuit breaker. The second one has a 2-pole circuit breaker.*
4. *Please fill in all battery-related error codes!*
5. *Please fill in a detailed error description!*

***General Checklist:***

* *If the Fault/Warning LED is active, check all power and communication cabling!*
* *Check the voltage of the battery pack and compare it with the minimum voltage from the installation manual!*
* *If you have communication problems with a low-voltage battery, please check the DIP and rotary switches! (e.g. the DIP and rotary switches have another setting with a Solar Edge inverter)*
* *If you have a RESU-Plus box the DIP switch from the box must be set to 0011 and from the two batteries to 0010.*
* *If you leave a high-voltage battery a longer time without operation, please switch the main circuit breaker* ***first*** *to the OFF position and second the* ***AUX-switch(!)*** *to the OFF position. This is to avoid a deep discharge.*
* *Please never change the AUX-switch when the main circuit breaker is active!*

**Information to find the correct serial number:**

For further processing we always need the correct serial number. Please have a look to the following examples where you can find them!

RESU 6.4EX / 3.2:



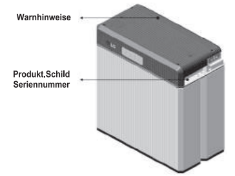


Example S/N:

RESU 3.3 / 6.5 / 10 / 13:



Example S/N:

RESU 10M:

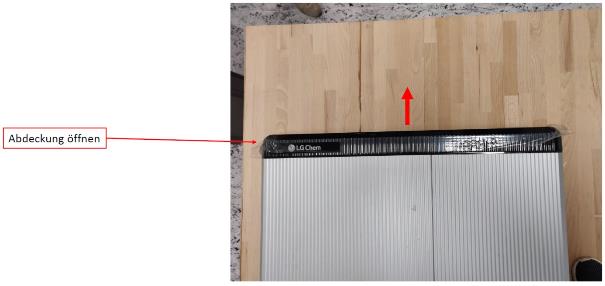
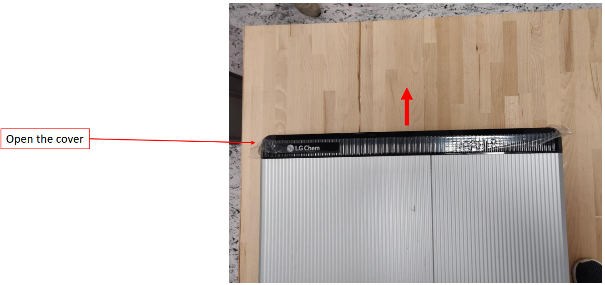
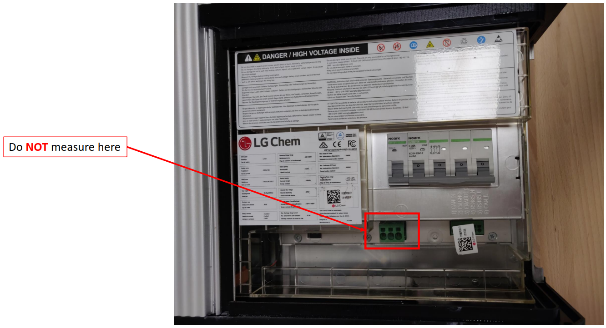
RESU 7H / 10H:

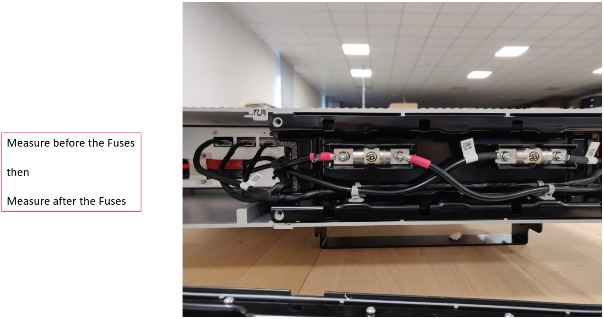






**Measurement at high voltage batteries:**





**If you have the new model with only one fuse below the top cover, please measure at the following points:**



**Measure at these points with the negative terminal of your measuring device. Please measure before and after the fuses to check if the fuse is not defective.**



**Please measure at this point with the positive terminal of your measuring device.**