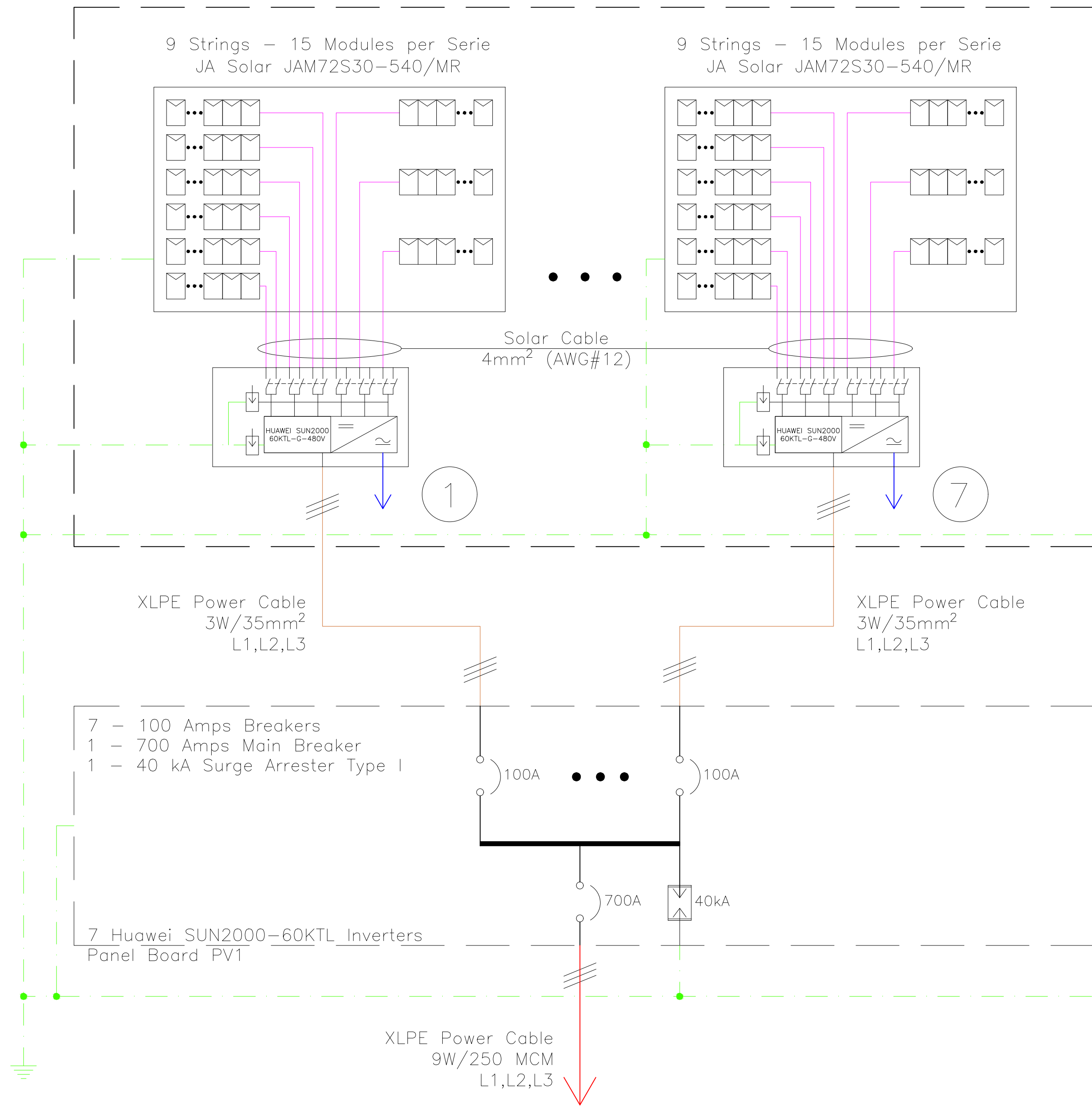




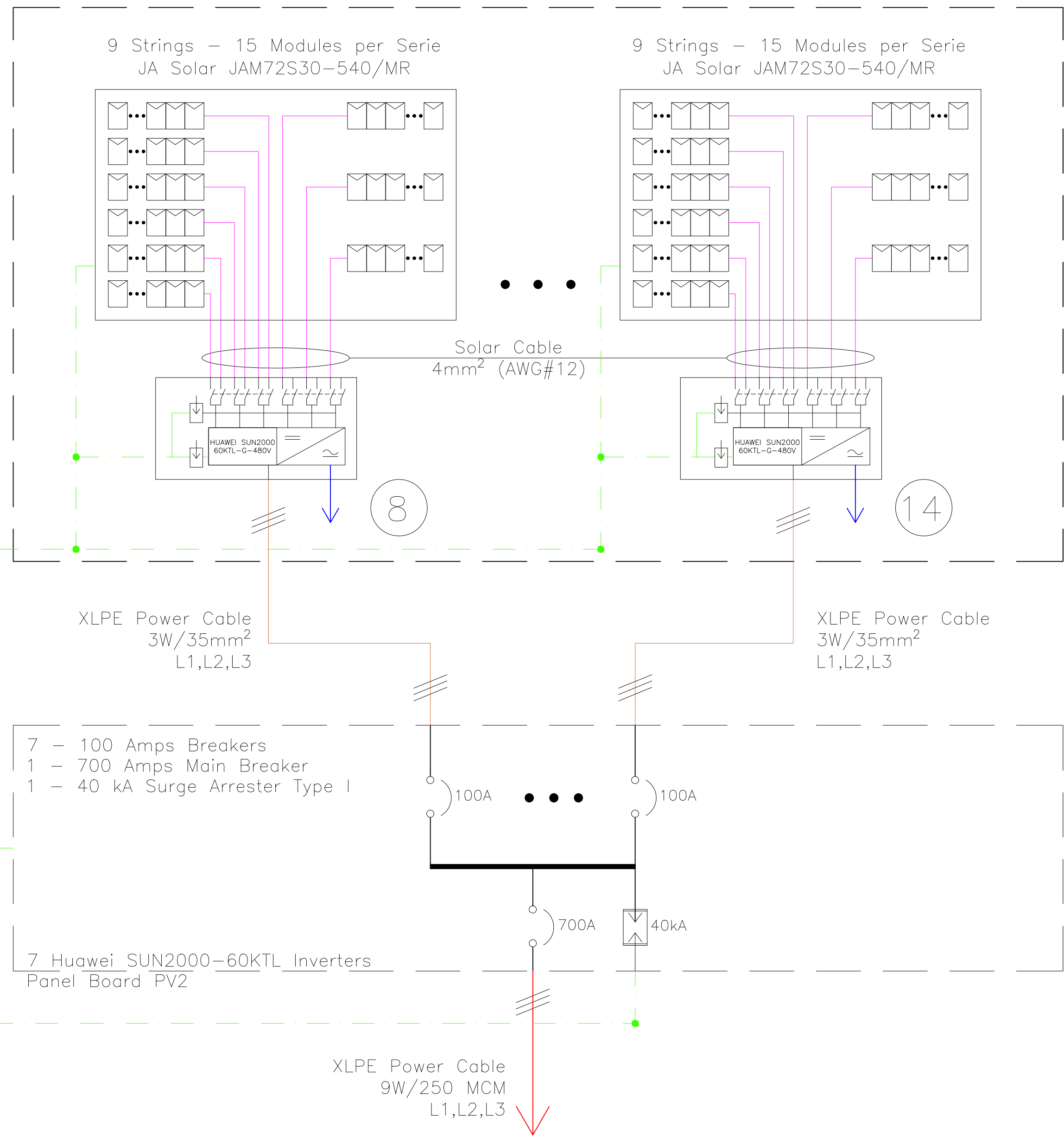
Block A Subsystem – 510.30 kWp – 7 Huawei SUN2000–60KTL



GND Bare Copper Cable  
AWG #2

Connection to Main Distribution Board  
Breaker inside BESS Container

Block B Subsystem – 510.30 kWp – 7 Huawei SUN2000–60KTL



Connection to Main Distribution Board  
Breaker inside BESS Container

| Legend |                        |        |                                   |
|--------|------------------------|--------|-----------------------------------|
| Symbol | Description            | Symbol | Description                       |
|        | PV Module              |        | Transformer                       |
|        | PV Inverter            |        | Grounding                         |
|        | Surge Arrester Type II |        | DC Cable                          |
|        | Fusible                |        | AC Cable                          |
|        | Breaker                |        | AC Cable                          |
|        | Surge Arrester         |        | Communication Cable RS-485/Modbus |
|        | Panel Board            |        |                                   |
|        | Enclosure Breaker      |        |                                   |
|        | MV Switch Gear         |        |                                   |

| Rev. | Date     | Modification               | DSN. | CHK. | APR. |
|------|----------|----------------------------|------|------|------|
| 4A   | 05/07/22 | As Built                   | JSD  | ECD  | GMG  |
| 3A   | 15/07/21 | IFC Package                | JSD  | ECD  | GMG  |
| 2A   | 20/04/21 | IFA Package                | JSD  | ECD  | GMG  |
| 1C   | 19/01/21 | Mod. by Topographic Survey | JSD  | ECD  | GMG  |
| 1B   | 19/11/20 | Preliminary II             | JSD  | ECD  | GMG  |
| 0A   | 17/12/19 | Preliminary                | JSD  | ECD  | GMG  |

Stamp of Approval:



Client:



Project:

Lethem PV Plant

Location:

Coordinates: 3.389681°, -59.792847°  
Lethem, Guyana.

Title:

PV Electrical Diagram

AS BUILT

Notes:

- 1890 Modules JA Solar JAM72S30-540/MR
- Pv Power: 1020.60 kWp
- 14 Inverters Huawei SUN2000-60KTL
- AC Power: 840.00 kW
- 42 PV Tables Configuration 3V15 - Portrait 10°

Drawing by:

Jasiel Santana

Date:

05/07/2022

Review by:

Esteban Cabral

Date:

05/07/2022

Aproved by:

Gualberto Magallanes

Date:

05/07/2022

Drawing No.

PV-EL-002

Escale

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Rev. No.

4A

# BATTERY SYSTEM

LITHIUM-ION NCM

571.50 kWh  
1040kW

9 Racks x 16 Modules = 144 Modules

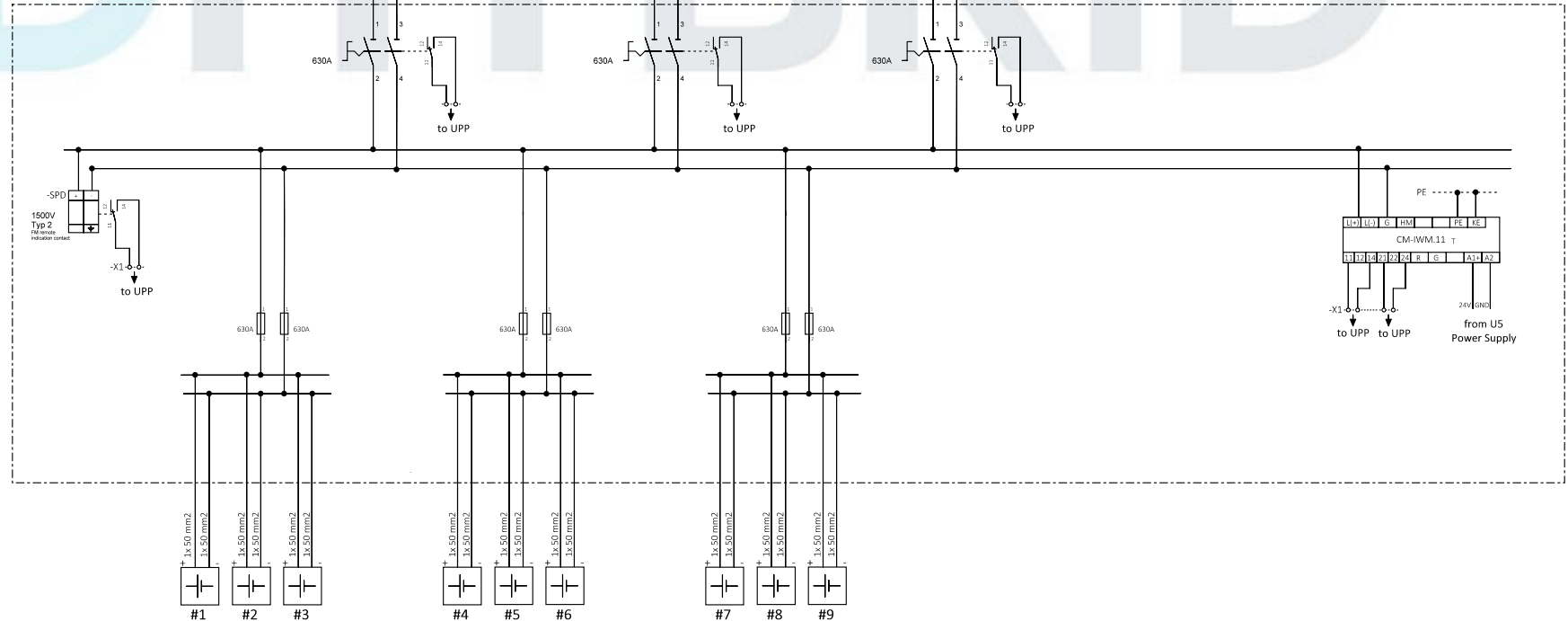
## BESS Breaker

## PCS 1 - 4 IPU's

## PCS 2 - 3 IPU's

## PCS 3 - 3 IPU's

## BATTERY COMBINER PANEL



|                         |            |     |                            |                                       |  |  |                       |                         |  |  |          |  |  |
|-------------------------|------------|-----|----------------------------|---------------------------------------|--|--|-----------------------|-------------------------|--|--|----------|--|--|
| DATE                    | ISSUED     | REV | DHYBRID                    |                                       |  |  | CLIENT                | Description             |  |  | SHEET NO |  |  |
| 2021-04-26              | A. Lachner | R01 | DHYBRID Power Systems GmbH |                                       |  |  | GEA - Guyana - Lethem | Battery System Overview |  |  | 01       |  |  |
| OUR POWER. YOUR ENERGY. |            |     |                            | www.dhybrid.de 82131 Gauting, Germany |  |  |                       |                         |  |  |          |  |  |

# BATTERY SYSTEM

LITHIUM-ION NCM

571.50 kWh  
1040kW

9 Racks x 16 Modules = 144 Modules



## LEGEND

|  |                         |  |                       |  |                    |  |                            |  |                |  |                    |
|--|-------------------------|--|-----------------------|--|--------------------|--|----------------------------|--|----------------|--|--------------------|
|  | BATTERY MODULE POSITIVE |  | BATTERY RACK POSITIVE |  | COMMUNICATION PORT |  | MODULE COMMUNICATION CABLE |  | ETHERNET CABLE |  | EARTHING CABLE     |
|  | BATTERY MODULE NEGATIVE |  | BATTERY RACK NEGATIVE |  | CANBUS PORT        |  | RACK COMMUNICATION CABLE   |  | POWER CABLE    |  | POWER CABLE 24 VDC |

|            |            |     |                                                                                                                                        |  |  |  |  |                       |                        |  |  |          |  |
|------------|------------|-----|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|-----------------------|------------------------|--|--|----------|--|
| DATE       | ISSUED     | REV | <b>DHYBRID</b> Power Systems GmbH<br>OUR POWER. YOUR ENERGY. <a href="http://www.dhybrid.de">www.dhybrid.de</a> 82131 Gauting, Germany |  |  |  |  | CLIENT                | Description            |  |  | SHEET NO |  |
| 2021-04-26 | A. Lachner | R01 |                                                                                                                                        |  |  |  |  | GEA - Guyana - Lethem | Battery Racks Overview |  |  | 01       |  |