

## HÍBRIDO / *Sistemas de Todo en Uno* / Serie GreenB + GreenH

### Batería *All-in-One* 100K + Inversor Híbrido 50K

#### Seguro y Fiable

- Célula de batería CATL LFP.
- Diseño de doble sistema de extinción de incendios.
- Diseño de redundancia 1+1.

#### Sencillo y Fácil de Usar

- Preinstalado en fábrica para facilitar la instalación in situ.
- BMS/EMS integrado, adecuado para varias aplicaciones.
- Funcionamiento sin esfuerzo, control en la nube.

#### Económico y Eficiente

- Ahorro de capital, ampliación según las necesidades.
- Diseño HVAC eficiente y que ahorra energía.

## HYBRID / *All-in-One Systems* / GreenB + GreenH Series

### All-in-One Battery 100K + Hybrid Inverter 50K

#### Safe & Reliable

- CATL LFP Battery Cell.
- Double Fire Suppression System Design.
- 1+1 Redundancy Design.

#### Simple & User-friendly

- Pre-installed in Factory for Easy Installation on Site.
- Integrated BMS/EMS, Suitable for Various Applications.
- Effortless Operation, Cloud Control.

#### Economical & Efficient

- Save Capex, Expanding as Required.
- Efficient and Energy-saving HVAC Design.



## HYBRIDE / *Systèmes Tout-en-un Alle* / Série GreenB + GreenH

### Batterie All-in-One 100K + Onduleur Hybride 50K

#### Sûre et Fiable

- Cellule de batterie CATL LFP.
- Double système d'extinction d'incendie.
- 1+1 Redundancy Design.

#### Simple et Convivial

- Préinstallé en usine pour une installation facile sur site.
- BMS/EMS intégré, adapté à diverses applications.
- Effortless Operation, Cloud Control.

#### Économique et Efficace

- Économise les dépenses d'investissement et s'étend selon les besoins.
- Conception HVAC efficace et économe en énergie.

## Especificaciones / Specifications / Spécifications

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Sistema GreenB + GreenH / GreenB + GreenH System / Système GreenB + GreenH

| MODEL                       | GreenB 100K                           |
|-----------------------------|---------------------------------------|
| <b>TECHNICAL PARAMETERS</b> |                                       |
| Battery Type                | LFP                                   |
| Battery Module Capacity     | 5.12 kWh                              |
| Number of Modules           | 10*2                                  |
| Total Battery Capacity      | 102.4 kWh                             |
| Nominal Voltage             | 512 V                                 |
| Operating Voltage Range     | 448 ~ 565 V                           |
| Charge / Discharge Rate     | Maximum 0.5C                          |
| DoD                         | 90%                                   |
| <b>GENERAL PARAMETERS</b>   |                                       |
| Dimensions, W x D x H       | 1100 x 1100 x 2380 mm                 |
| Weight                      | < 1.5 T                               |
| Installation Site           | Outdoor                               |
| IP Protection               | IP54                                  |
| Anti Corrosion Level        | C4                                    |
| Operation Humidity          | 5% ~ 95% (No Condensing)              |
| Operation Temperature       | -30°C ~ +50°C                         |
| Maximum Operation Altitude  | 4000 m ( > 3000 m Derating)           |
| Communication Port          | Ethernet; CAN                         |
| Communication Protocol      | CAN; MODBUS TCP/IP                    |
| Cooling Method              | Air Conditioner                       |
| Standards                   | IEC62619-2017; UN38.3; IEC61000-6-2/4 |

## Especificaciones / Specifications / Spécifications

| MODEL                                    | GreenH 50K                        |
|------------------------------------------|-----------------------------------|
| <b>PV SIDE</b>                           |                                   |
| Maximum Input Voltage                    | 1000 V                            |
| MPPT Voltage Range                       | 350 ~ 800 V                       |
| Maximum Current per MPPT                 | 36 A                              |
| Number of MPPT                           | 3                                 |
| Number of Inputs Per MPPT                | 2                                 |
| <b>BATTERY SIDE</b>                      |                                   |
| Maximum Input Voltage                    | 750 V                             |
| Minimum Input Voltage                    | 350 V                             |
| DC Voltage at Nominal Operation          | 500 ~ 750 V                       |
| Maximum DC Current                       | 50 A*2                            |
| Maximum DC Input Power                   | 55 kW                             |
| Number of DC Inputs                      | 2                                 |
| <b>AC SIDE (ON GRID)</b>                 |                                   |
| Nominal AC Output Power                  | 50 kW                             |
| Maximum AC Output Power                  | 55 kVA                            |
| Maximum AC Current                       | 80 A                              |
| Nominal AC Voltage                       | 400 V                             |
| AC Voltage Range                         | 340 ~ 440 V                       |
| Nominal Grid Frequency / Frequency Range | 50 / 60 Hz $\pm$ 5 Hz             |
| THDv                                     | < 3% (100% Load)                  |
| Adjustable PF Range                      | -1 (Lagging) ~ 1 (Leading)        |
| <b>AC SIDE (OFF GRID)</b>                |                                   |
| Nominal AC Voltage                       | 230 / 400 V $\pm$ 3%; 3L + N + PE |
| THDv                                     | < 3% (Linear Load)                |
| Nominal Grid Frequency / Frequency Range | 50 / 60 Hz                        |
| Nominal AC Output Power                  | 50 kW                             |
| Maximum AC Output Power                  | 55 kVA                            |
| <b>EFFICIENCY</b>                        |                                   |
| Maximum Efficiency                       | 97.5%                             |

## Especificaciones / Specifications / Spécifications

| MODEL                                      | GreenH 50K                     |
|--------------------------------------------|--------------------------------|
| <b>PROTECTION</b>                          |                                |
| Reverse Connection Protection              | Yes                            |
| DC Switch                                  | Yes                            |
| Over-Temperature Protection                | Yes                            |
| Grid Monitoring / Earthing Fault Detection | Yes                            |
| Insulation Monitoring                      | Yes                            |
| DC / AC Surge Protection                   | DC Type II; AC Type II         |
| <b>GENERAL PARAMETERS</b>                  |                                |
| Dimensions, W x H x D                      | 650 x 715 x 325 mm             |
| Weight                                     | 62 kg                          |
| Topology                                   | Transformerless                |
| IP Protection                              | IP65                           |
| Operation Temperature Range                | -25°C ~ 60°C (> 45°C Derating) |
| Operation Humidity Range                   | 0 ~ 100% (No Condensing)       |
| Cooling Method                             | Intelligent Air Cooling        |
| Maximum Operation Altitude                 | 4000 m (> 3000 m Derating)     |
| Communication Port                         | RS485 / CAN                    |
| Standards                                  | IEC 62477, IEC61000, CE, GB/T  |