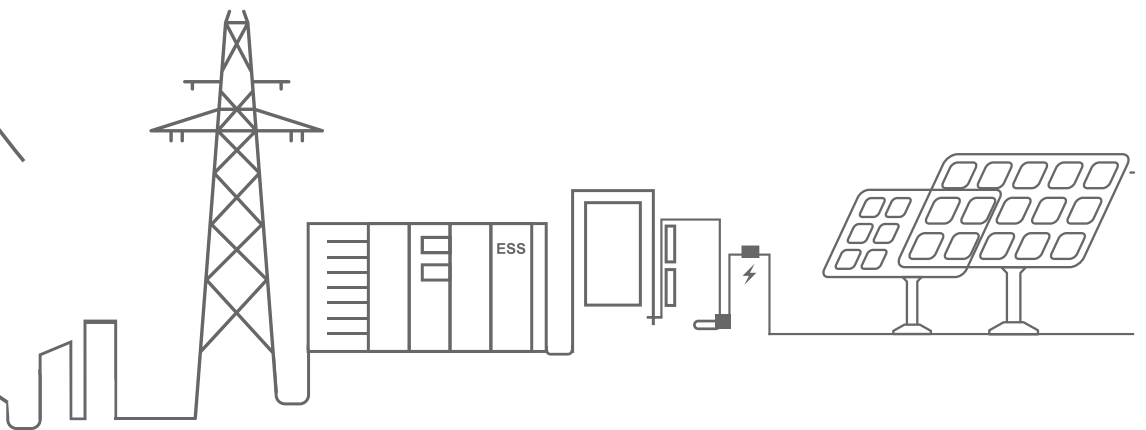


A large, stylized 'G' shape composed of thin black lines, with several small black dots connected to the lines by thin lines, resembling a circuit or network diagram. It is positioned on the left side of the page, partially overlapping the main text.

Grace BESS

Powering Tomorrow

Energy storage solutions for the world



Low Voltage Battery Energy Storage

BESS All in One Solutions

MAX
15PCS

PARALLEL



MODULAR



COMMUNICATION



OEM/ODM



| MODEL | GB01KVA | GB02KVA |
|----------------------------------|---|-------------------------|
| Capacity (VA) | 1100 | 2000 |
| Full Load (W) | 800 | 1600 |
| Battery Type | LFP1280 WH (12.8V100Ah) | LFP2560 WH (25.6V100Ah) |
| Input Voltage Range Inverter (V) | 100-290 | |
| Input Voltage Range UPS (V) | 180-270 | |
| Transfer Time UPS Mode | <10MS | |
| Output Voltage (V) | 230 | |
| Waveform | Pure Sine Wave | |
| Frequency (Hz) | 50 | |
| Battery Charging (A) | 15 | |
| Weight (Kg) Approx. | 24 | 38 |
| Protections | Overload, Under voltage, Over voltage, Battery Low | |
| Temperature Range | 0°C to 55°C (Recommended ≤50°C) | |
| Cooling | Natural / forced air cooling, ensure proper ventilation | |
| Dimension (LxWxH) (Mm) | 275 x 230 x 225 | 300 x 250 x 400 |

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Low Voltage Battery Energy Storage

BESS Rack & Wall Mount

MAX
15PCS

PARALLEL



MODULAR



COMMUNICATION



OEM/ODM



| Model Name | GRE48V100AH | GRE51.2V100AH |
|---------------------------------------|---------------------|---------------------|
| Specification | 48V100AH | 51.2V100AH |
| Capacity (kWh) | 4.8 | 5.12 |
| Configuration | 1P15S | 1P16S |
| BMS Type | Smart | Smart |
| Communication | CAN/RS485/Bluetooth | CAN/RS485/Bluetooth |
| Maximum charging current (A) | 50 | 50 |
| Cycle Life (80% DOD, 25°C, 0.5C/0.5C) | 3500/6000 | 3500/6000 |
| Ingress Protection | IP20 | IP20 |
| Dimension (LXWXH) (Mm) | 500X450X180 | 500X450X180 |
| Weight (Kg) | 50 | 52.5 |



Lead Acid Replacement



| Model Name | GRE12.8V100H | GRE25.6V100H |
|---------------------------------------|---------------------|---------------------|
| Specification | 12.8V100AH | 25.6V100AH |
| Capacity (kWh) | 1.28 | 2.56 |
| Configuration | 1P4S | 1P8S |
| BMS Type | Smart | Smart |
| Communication | CAN/RS485/Bluetooth | CAN/RS485/Bluetooth |
| Cycle Life (80% DOD, 25°C, 0.5C/0.5C) | ≥3500 | ≥3500 |
| Maximum charging current (A) | 50 | 50 |
| Ingress Protection | IP20 | IP20 |
| Dimension (LXWXH) (Mm) | 120X180X185 | 250X230X180 |
| Weight (Kg) | 10.5 | 26.5 |

Mobility ESS Solution





Electric Vehicle



| | 2 Wheeler | 3 Wheeler | FORKLIFT |
|----------------------------|---|---|---|
| Model | GRE7242W2 | GRE51100W3 | GRE25400FL |
| Specification | 73.6V42Ah | 51.2V100Ah | 25.6V400Ah |
| Capacity (kWh) | 3.09 | 5.12 | 10.24 |
| Configuration | 7P23S | 1P16S | 4P8S |
| Communication | Default: RS485/RS232/CAN Optional: Wifi/4G/Bluetooth | Default: RS485/RS232/CAN Optional: Wifi/4G/Bluetooth | Default: RS485/RS232/CAN Optional: Wifi/4G/Bluetooth |
| Cycle | ≥2000 @ 80%/25 degree C/0.5C | ≥2000 @ 80%/25 degree C/0.5C | ≥2000 @ 80%/25 degree C/0.5C |
| Max. Discharge Current (A) | 40 | 100 | 200 |
| Cooling method | Natural cooling | Natural cooling | Natural cooling |
| Ingress Protection | Ip65 | Ip65 | Ip65 |
| Dimension (LXWXH)(mm) | 310 x 205 x 420 | 462 x 442 x 305 | 596 x 373 x 329 |
| Weight (Kg) | 21 | 54 | 90 |

High Voltage Battery Energy Storage

C&I BESS





-  **PARALLEL**
-  **COMMUNICATION**
-  **OEM/ODM**
-  **HIGH VOLTAGE MATCHING**



| MODEL NAME | GRE-BESS-CI-418-DC Block | GRE-BESS-CI-261-All in one |
|-------------------------------------|--------------------------|----------------------------|
| Specification | LFP (3.2V314Ah) | LFP (3.2V314Ah) |
| Configuration | 1P52S/52.25kWh | 1P52S/52.25kWh |
| Battery System Configuration | 1P416S (8*1P52S) | 1P260S (5*1P52S) |
| Rated Battery Voltage | 1331.2V | 832V |
| Battery Voltage Range | 1164.8–1518.4V | 728V–936V |
| Nominal Capacity (kWh) | 418kWh | 261.25kWh |
| Rated Power | 125kW | 125kW |
| Charge and Discharge Rate | ≤0.5P | ≤0.5P |
| Number of Cycles | 6000 | 6000 |
| Protection Level | Ip54 | Ip54 |
| Heat Management | Liquid cooling | Liquid cooling |
| Weight (Kg) | 3200 | 2800 |
| Size (LxWxH) mm Approx. | 1480x1360x2400 | 1480x1350x2205 |
| All in one Solutions - in built PCS | YES | YES |

High Voltage Battery Energy Storage

Utility BESS

-  PARALLEL
-  EASY O&M
-  COMMUNICATION
-  OEM/ODM



| Model Name | GRE-US-3MWH | GRE-US-5MWH | GRE-US-6.25MWH |
|------------------------------------|---|-------------|----------------|
| Nominal Capacity (kWh) | 3086 kWh | 5015.96 kWh | 6251.3 kWh |
| Cluster Configuration | 1P384S*8 | 1P384S*13 | 1P416S*8 |
| Rated Voltage | 1228.8V | 1228.8V | 1331.2V |
| Rated Power | 1600 kW | 2500 kW | 3125.6 kW |
| All in one Solutions - inbuilt PCS | Yes | No | No |
| Rated Charge/discharge Rate | 0.5C | 0.5C | 0.5C |
| Cell Specification | 3.2V/314Ah | 3.2V/314Ah | 3.2V/587Ah |
| Cycle Life | 8000 cycles (70% SOH, 0.5C/0.5C, 25°C) | | |
| Cooling Mode | Liquid Cooling | | |
| Fire Extinguisher | FK-5112/Aerosol Fire Suppression System + Water Fire Fighting | | |
| Noise | < 80dB | | |
| Dimension (LXWXH)(mm) | 2438x6058x2896 | | |
| Weight | 31T | 42T | 49T |
| Ingress Protection | Ip55 | | |
| Communication Interface | CAN, Ethernet, Rs485 | | |



Website

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