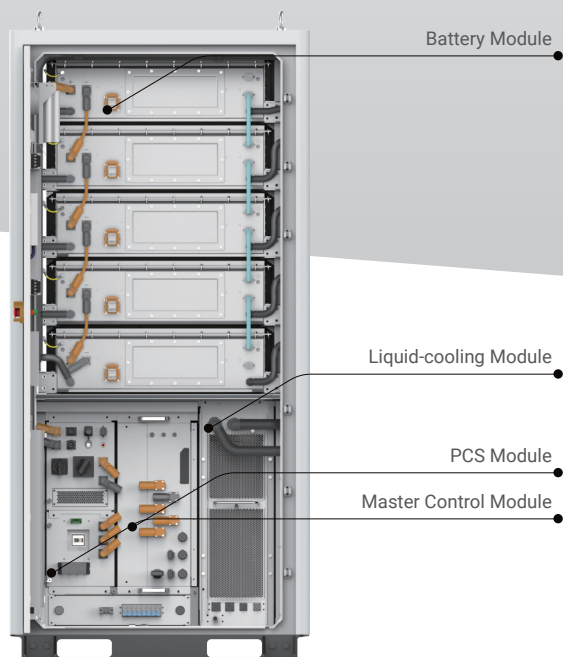
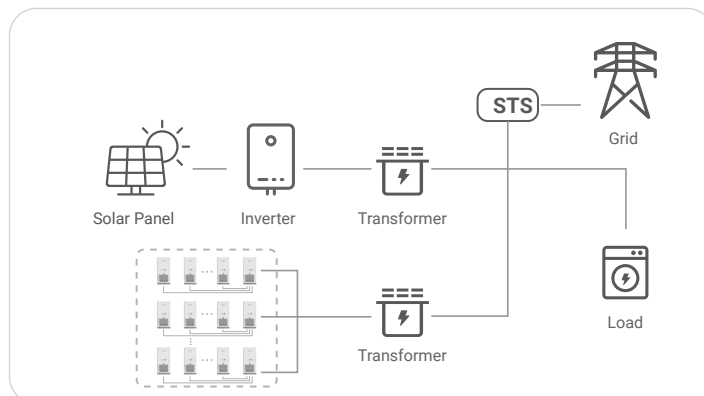


# PowerBase MEGA-233A

233kWh liquid cooling Battery



## System Layout



## Key Features



### Highly Integrated

Combines an all-in-one design with high power density, requiring minimal space and offering flexible transportation and installation.



### Safety & Reliability

Features comprehensive battery monitoring, multi-level fire prevention, top venting design, and proactive AI management to ensure maximum safety and reliability.



### Long Life Cycle

Offers over 8000 cycle times with a lifespan exceeding 15 years, supported by laser welding for enhanced durability.



### Efficient & Flexible

Boasts a modular structure with high-efficiency liquid cooling, adaptable to extreme environments, maximizing battery life and performance.



### Intelligent Operation

Equipped with a full EMS for easy upgrades and big data-managed inspection, ensuring proactive handling and optimal performance.

## SOC

### Maintenance Optimization

Incorporates intelligent SOC calibration to minimize downtime and enhance overall operational efficiency.

## ■ Main Parameters

| Battery Energy Storage                 | PBM233125A0-EU  | PBM233125A0-US  |
|--|---|---|
| Single Cell Type                       | LFP 3.2V/280AH  |   |
| Module Combination                     | 1P52S   |   |
| System Combination                     | 5 modules in series   |   |
| Capacity (kWh)                         | 233   |   |
| Nominal Voltage (V)                    | 832   |   |
| Operation Voltage Range (Vdc)          | 702~949   |   |
| Discharge Depth                        | 90% DoD   |   |
| Thermal Management Mode                | liquid cooling  |   |
| Thermal runaway management             | Aerosol Extinguishing   |   |
| <b>AC Output</b>                       |   |   |
| Rated AC output power(kW)              | 125   | 125   |
| Max. AC output power(kVA)              | 150   | 137.5   |
| Rated output voltage(Vac)              | 400   | 480   |
| Output voltage(Vac) range              | -15%~10%(settable)  | -15%~10%(settable)  |
| Rated grid frequency(Hz)               | 50/60Hz(settable)   | 60Hz(settable)  |
| Max. output current(A)                 | 182   | 165.4   |
| Adjustable power factor                | >0.99   | >0.99   |
| THDi                                   | <3%   | <3%   |
| <b>System Characteristic</b>           |   |   |
| PCS Cooling                            | Forced Air Cooling  |   |
| PCS Topology                           | Non-isolation   |   |
| AC/DC start function                   | Integration   |   |
| Switch from Grid-connected to Off-grid | Integration   |   |
| Communication Interface                | CAN, RS485, Wi-Fi, LTE  |   |
| Warranty                               | 3 years free, paid from the 4th to the 15th year                              |   |
| Certifications                         | IEC62619/UN38.3/IEC/EN 62477-1,<br>IEC EN/61000-6-2, IEC/EN 61000-6-4         | UL1741, CSA C22.2 No 107.1,<br>IEEE1547/UL1973/UL9540/UL9540A |
| <b>General Parameters</b>              |   |   |
| Dimensions (W*D*H)                     | 1100*1450*2350mm / 43*57*92.5in   |   |
| Total Weight                           | 2950kg / 6503lb   |   |
| Operation Altitude                     | 2000m / 6561ft  |   |
| Noise Level @1m                        | <75 dB(A)   |   |
| IP Rating                              | IP54  |   |
| Operating Temperature                  | -20°C to 55°C   |   |
| Operating Humidity (RH)                | 0 to 95%  |   |
| Storage Conditions                     | -20°C to 30°C Up to 95% RH, non-condensing State of Energy (SoE): 50% initial |   |

## ■ Packaging & Shipping Details

