

## ReeChen

GR1500L



MSDS



UN38.3



## Features



**Safe and  
Reliable**

- Smart liquid cooling system for efficient heat dissipation
- IP54 and C3 anti-corrosion design
- Three levels fire suppression mechanism



**Intelligent and  
Easy to Use**

- Standard container integrated design, easy to install
- Battery capacity and discharge time prediction
- Cloud O&M, fast fault analysis and handling

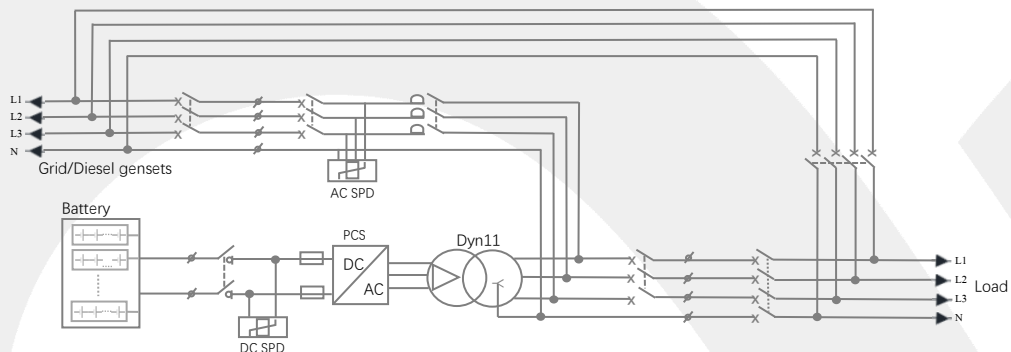


**Efficient and  
FLexible**

- Pre-commissioning, without excessive site work
- Support diesel generator access
- Millisecond dynamic response



## Electrical Diagram



## Specification Parameters

| Model                               | ReeChen GR1500L  |                 |
|-------------------------------------|--|-----------------|
| <b>DC Side</b>                      |  |                 |
| Cell type                           | LFP/280Ah  |                 |
| Battery capacity(BOL)               | 1505kWh  |                 |
| Rated voltage                       | 768V   |                 |
| Battery Voltage range               | 648~864V   |                 |
| System configuration                | 240S1P×7   |                 |
| <b>AC Side</b>                      |  |                 |
| Rated power                         | 500kW (options)  | 250kW (options) |
| Rated voltage                       | 400V   |                 |
| Voltage range                       | 320V~440V  |                 |
| Rated frequency                     | 50Hz   |                 |
| AC connection                       | 3L+N+PE  |                 |
| <b>System parameter</b>             |  |                 |
| Isolation transformer               | Transformer  |                 |
| Dimension (W*H*D)                   | 6058×2591×2438mm   |                 |
| Weight                              | < 25T  |                 |
| Cycle performance                   | ≥ 6000 cycles; @25±2°C,0.33P,SOH≥80%   |                 |
| Fire suppression                    | UL Listed 42 Bar FK 1230 FIRE SUPPRESSION SYSTEM (Support PACK level)+flammable gas detection + exhaust + Water Sprinkler System |                 |
| Cooling concept                     | Liquid cooling   |                 |
| Operating ambient temperature range | -30~50°C   |                 |
| Operating altitude                  | 2,000m (When the altitude is between 2000-4000m, the output of the system will be de-rated.)                                     |                 |
| IP rating                           | IP54   |                 |
| Communication protocols             | Modbus、4G (MQTT)   |                 |
| Remote monitoring                   | Cloud EMS, mobile APP  |                 |
| Anti-corrosion Grade                | C3   |                 |
| Compliance                          | UN3536, UN38.3, IEC62619, UL9540A,   |                 |
| Application scenarios               | C&I energy storage, microgrid, emergency power backup  |                 |