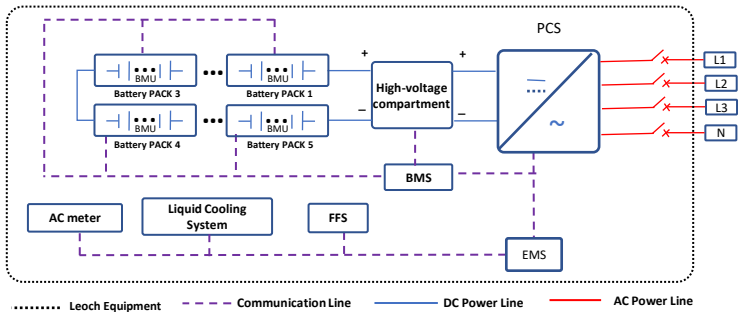


Liquid-Cool Energy Storage System  
Titan-S105/261-L



- Highly Integrated
- Flexible deployment
- Safe and Reliable
- Rich configuration



| System Model                         | Titan-S105/261-L                                                                                                                                                                                                |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Battery Parameters                   |                                                                                                                                                                                                                 |
| Cell Type                            | LFP3.2V / 314Ah                                                                                                                                                                                                 |
| Battery PACK Type                    | 1P52S                                                                                                                                                                                                           |
| Cluster Configuration                | 1P260S                                                                                                                                                                                                          |
| Nominal Energy                       | 261kWh                                                                                                                                                                                                          |
| Battery Voltage Range                | 728V ~ 936V                                                                                                                                                                                                     |
| AC Parameters (Grid mode)            |                                                                                                                                                                                                                 |
| Rated Power                          | 105kW                                                                                                                                                                                                           |
| Rated Voltage                        | 400V, 3P4W                                                                                                                                                                                                      |
| Rated Current                        | 152A                                                                                                                                                                                                            |
| Overload Capacity                    | 110% long term                                                                                                                                                                                                  |
| Rated Grid Frequency                 | 50Hz / 60Hz                                                                                                                                                                                                     |
| Power Factor                         | 0.99                                                                                                                                                                                                            |
| Power Factor Range                   | 1 (lead) ~ 1 (lag)                                                                                                                                                                                              |
| Current Distortion rate              | < 3% (Rated power)                                                                                                                                                                                              |
| DC Component                         | 0.5%                                                                                                                                                                                                            |
| AC Parameters (Islanded mode)        |                                                                                                                                                                                                                 |
| Rated Power                          | 105kW                                                                                                                                                                                                           |
| Rated Voltage                        | 400V, 3P4W                                                                                                                                                                                                      |
| Rated Current                        | 152A                                                                                                                                                                                                            |
| Rated Frequency                      | 50Hz / 60Hz                                                                                                                                                                                                     |
| THDu                                 | ≤ 3% (linear load)                                                                                                                                                                                              |
| Three-phase unbalance                | 100%                                                                                                                                                                                                            |
| System Parameters                    |                                                                                                                                                                                                                 |
| Charge and Discharge Rate            | ≤ 0.5C                                                                                                                                                                                                          |
| Dimensions (W*D*H)                   | 1570*1360*2273mm                                                                                                                                                                                                |
| Weight                               | About 2875kg                                                                                                                                                                                                    |
| IP Level                             | Battery compartment: IP55; Electrical compartment: IP54                                                                                                                                                         |
| Altitude                             | ≤2000m(Derating over 2000 meters)                                                                                                                                                                               |
| Operating Temperature                | -20°C ~ 55°C ( > 45°C derate for use)                                                                                                                                                                           |
| Relative Humidity                    | 5 ~ 95% (no condensation)                                                                                                                                                                                       |
| Cooling method (PCS)                 | Intelligent air cooling                                                                                                                                                                                         |
| Cooling method (battery compartment) | Intelligent liquid cooling                                                                                                                                                                                      |
| Fire Fighting System                 | cabinet level aerosol fire extinguishing + water fire fighting<br>+ explosion- proof pressure relief                                                                                                            |
| Communication Interface              | RS485, CAN, Ethernet, Dry contact                                                                                                                                                                               |
| Certification                        | IEC62619, IEC61000, IEC62477, UN38.3, IEC62109, IEC61727, IEC62116,EN50549, AS4777, G99, G100, VDE-AR-N 4105/4110/4120, Spain 217001/217002/NTS, TAI-MEA & PEA, NRS097, VDE 4105 & 4110 & 4120, CEI 0-21 & 0-16 |

Application Scenario

