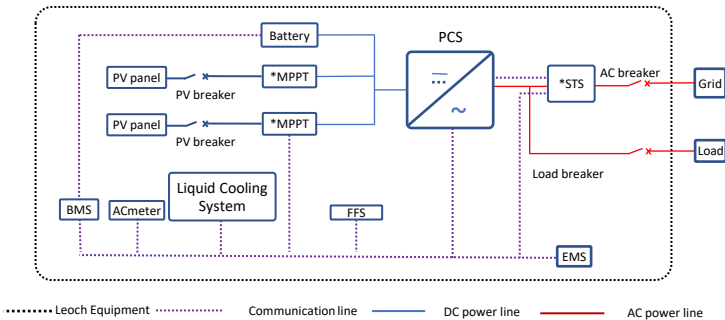


Liquid-Cool PV Energy Storage System  
Titan-S105/261/100-LS



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



| System Model                          | Titan-S105/261/100-LS                                                                                                                                                                                          |  |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 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                          | 0.50%                                                                                                                                                                                                          |  |
| 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 2,985 kg                                                                                                                                                                                                 |  |
| IP Level                              | IP54                                                                                                                                                                                                           |  |
| Altitude                              | ≤2000m(Derating over 2000 meters)                                                                                                                                                                              |  |
| Operating Temperature                 | -20°C~55°C (>45°C derate for use)                                                                                                                                                                              |  |
| Relative Humidity                     | 5 ~ 95% (no condensation)                                                                                                                                                                                      |  |
| Operating Noise                       | ≤75dB                                                                                                                                                                                                          |  |
| Cooling method (PCS)                  | Intelligent air cooling                                                                                                                                                                                        |  |
| Cooling method (Battery)              | Intelligent liquid cooling                                                                                                                                                                                     |  |
| Fire Fighting System                  | Cabinet aerosol fire extinguishing + water fire fighting + 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, Spain217001/217002/NTS, TAI-MEA & PEA, NRS097, VDE 4105 & 4110 &4120, CEI 0-21 & 0-16 |  |
| STS Parameters (optional)             |                                                                                                                                                                                                                |  |
| Rated Power                           | 200kW (grid side 200kW, load side 100kW)                                                                                                                                                                       |  |
| Switching Time                        | ≤ 20ms                                                                                                                                                                                                         |  |
| Photovoltaic parameters (optional)    |                                                                                                                                                                                                                |  |
| Maximum photovoltaic input power      | 100kW                                                                                                                                                                                                          |  |
| MPPT voltage range                    | 200 ~ 720V                                                                                                                                                                                                     |  |
| Number of MPPTs                       | 2                                                                                                                                                                                                              |  |
| Number of photovoltaic input channels | 2                                                                                                                                                                                                              |  |
| Maximum input current                 | 100A per circuit                                                                                                                                                                                               |  |

Application Scenario

