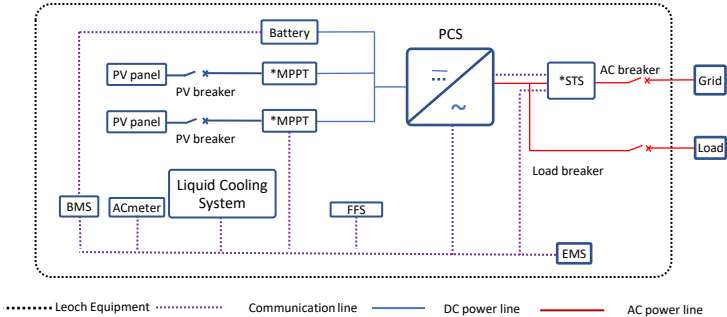


Liquid-Cool PV Energy Storage System
Titan-S105/261/100-LS



- 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

