



ZetaTitan Centralized Liquid Cooling Energy Storage System

- ZT-ESS-5MWh
- The system integrates long-life battery, battery management system, thermal management system, active safety management system and intelligent power distribution system and applies to all kinds of scenarios. Several sets of PCS are connected in parallel on the AC side, and this is safe, efficient and intelligent.
- Product Features : Safe,Reliable,High efficiency,Support the network construction,Fast frequency,modulation



Product Model	ZT-ESS-5MWh
Certificate	IEC62933-5-2, IEC 62477, EN IEC 61000-6-1/2/3/4, IEC62619, IEC63056, UL1973, UL 9540A, UL9540, FCC part 15B, NFPA69, UN38.3,UN3536
DC-Side Parameters	
Cell type	LFP 3.2V/314Ah
Capacity	5.016MWh
DC Voltage Range	1081.6V-1497.6V
System Configuration	416S12P
Thermal Management	Smart liquid cooling/heating for battery system
Fire Detection and Alarm	Fire alarm panel, heat and smoke detection, alarm bell and strobe
Fire Suppression Options	Aerosol - based suppression system, Flooded fire protection systems
System Parameters	
Dimensions of Battery Container	6058×2438×2896mm
Weight of Battery Container	≤44t
Operating temperature range	-30°C-50°C
Relative humidity	0%-100%
Ingress protection rating	IP55
Max.altitude	4000m (> 2000m derating)
Communication Protocol	Modbus TCP,IEC104,IEC61850