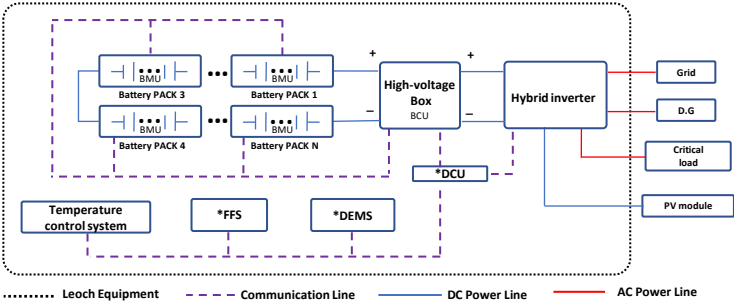


Air-Cool PV Energy Storage System – Hybrid Inverters
Titan-S125/241/250-WS



*The hybrid inverter needs to be wall-mounted.

*DEMS: Dynamic Environment Monitoring System; *FFS: Fire Fighting System; *DCU: Display & Control Unit

System Model	Titan-S100/221/200-WS	Titan-S100/241/200-WS	Titan-S125/241/250-WS
Battery Parameters			
Cell Type	LFP3.2V/314Ah		
Battery PACK Type	1P20S		
Cluster Configuration	1P220S	1P240S	
Nominal Energy	221kWh	241kWh	
Nominal Battery Voltage	704V	768V	
Battery Voltage Range	616V ~ 792V	672V ~ 864V	
Charge and Discharge Rate	0.5C		
Battery Cabinet Certification	IEC62619, IEC61000, UN38.3		
AC Parameters			
Type of Grid Connection	3/N/PE		
Rated Power	100kW	125kW	
Rated Voltage	AC 220V / 380V, 230V / 400V		
Rated Current	144A	180A	
Rated Grid Frequency	50/60Hz		
THD	≤3%		
Hybrid Inverter Certification	IEC61000, IEC62920, IEC62109, EN50549, G99, AS 4777,VDE 4110, VDE 4105, TOR-R25-TypeA		
System Parameters			
Dimensions (W*D*H)	Hybrid inverter: 1174*400*814mm; Battery Cabinet: 1170*1456*2100mm		
Weight	Hybrid inverter: About 170kg; Battery Cabinet: About 2367kg		
IP Level	Hybrid inverter: IP66; Battery cabinet: IP55		
Cooling Method	Hybrid inverter: Intelligent fan; Battery cabinet: air conditioner		
Fire Fighting System	Cabinet level aerosol fire extinguishing + explosion-proof pressure relief + water fire fighting		
Grade of Corrosion Protection	C3		
Relative Humidity	5-95% （no condensation）		
Operating Temperature	-20℃~50℃		
Altitude	≤2000m(Derating over 2000 meters)		
Communication Interface	RS485, Ethernet		
Communication Protocol	Modbus RTU, Modbus TCP/IP		
PV Parameters			
PV Input Power	200kW	250kW	
MPPT Voltage Range	150V-950V		
Maximum Input Current	10×42A		
Number of MPPTs	10		
Number of PV Input Channels	20		
Hybrid Inverter Automatic Switching Function Between On-grid and Off-grid			
Switching Time	<10ms		

Application Scenario

