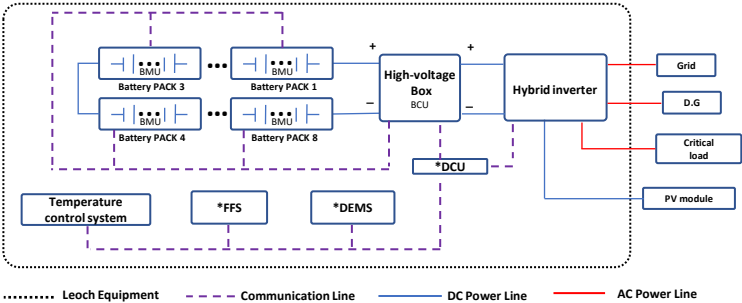


Air-Cool PV Energy Storage System – Hybrid Inverters
Titan-S50/160/100-WS



- Easy to Install
- Flexible deployment
- Safe and Reliable
- Rich configuration



..... Leoch Equipment - - - - - Communication Line ——— DC Power Line ——— AC Power Line
*DEMS: Dynamic Environment Monitoring System; *FFS: Fire Fighting System; *DCU: Display & Control Unit

System Model	Titan-S50/160/100-WS	
Battery Parameters		
Cell Type	LFP3.2V, 314Ah	
Battery PACK Type	1P20S	
Cluster Configuration	1P160S	
Nominal Energy	160kWh	
Nominal Battery Voltage	512V	
Battery Voltage Range	448V ~ 576V	
Charge and Discharge Rate	0.5C	
Battery Cabinet Certification	IEC62619, IEC61000, UN38.3	
AC Parameters		
Type of Grid Connection	3L/N/PE	
Rated Power	50kW	
Rated Voltage	AC 400V	
Rated Current	72A	
Rated Grid Frequency	50/60Hz	
THD	≤3%	
Hybrid Inverter Certification	IEC62477, IEC61000, IEC62920, IEC62109, EN55011, EN50549, G99, AS 4777,VDE 4110, VDE 4105, TOR-R25-TypeA & TypeB	
System Parameters		
Dimensions (W*D*H)	Batterycabinet: 800*1330*2360mm Hybrid inverter: 530*290*880 mm	
Weight	Hybrid inverter: 73kg; Battery cabinet: 1620kg	
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 + water fire fighting+ explosion- proof pressure relief	
Grade of corrosion Protrction	C3	
Relative Humidity	5-95% (no condensation)	
Operating Temperature	-20°C~50°C	
Altitude	≤2000m(Derating over 2000 meters)	
Communication Interface	RS485, Ethernet	
Communication Protocol	Modbus RTU, Modbus TCP/IP	
PV Parameters		
PV Input Power	100kW	
MPPT Voltage Range	150V-850V	
Number of MPPTs	4	
Number of PV Input Channels	8	
Hybrid Inverter Automatic Switching Function Between On-grid and Off-grid		
Switching Time	<10ms	

Application Scenario

