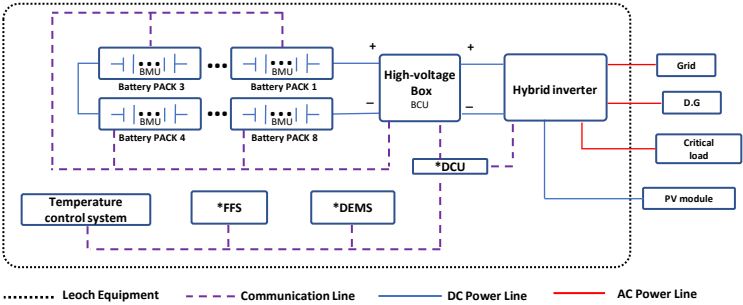


Air-Cool PV Energy Storage System – Hybrid Inverters
Titan-S50/160/100-WS



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



System Model	Titan-S50/160/100-WS	Titan-S50/140/100-WS	Titan-S40/120/80-WS	Titan-S40/100/80-WS
Battery Parameters				
Cell Type	LFP3.2V, 314Ah			
Battery PACK Type	1P20S			
Cluster Configuration	1P160S	1P140S	1P120S	1P100S
Nominal Energy	160kWh	140kWh	120kWh	100kWh
Nominal Battery Voltage	512V	448V	384V	320V
Battery Voltage Range	448V ~ 576V	392V ~ 504V	336V ~ 432V	280V ~ 360V
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		40kW	
Rated Voltage	AC 400V			
Rated Current	72A		58A	
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*880mm			
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 proctrction	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	100kW		80kW	
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

