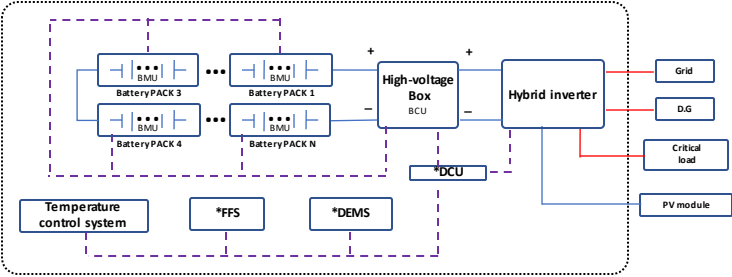


Air-Cool PV Energy Storage System – Hybrid Inverters
Titan-S100/241/200-WS



..... 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-S100/241/200-WS
Battery Parameters	
Cell Type	LFP3.2V/314Ah
Battery PACK Type	1P20S
Cluster Configuration	1P240S
Nominal Energy	241kWh
Nominal Battery Voltage	768V
Battery Voltage Range	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
Rated Voltage	AC 220 V / 380 V, 230 V / 400 V
Rated Current	144A
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
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

