

System Model	Titan-S50/221/100-WS
Battery Parameters	
Cell Type	LFP3.2V/314Ah
Battery PACK Type	1P20S
Cluster Configuration	1P220S
Nominal Energy	221kWh
Nominal Battery Voltage	704V
Battery Voltage Range	616V ~ 792V
Charge and Discharge Rate	0.5C
AC Parameters	
Type of grid connection	3/N/PE
Rated Power	50kW
Rated Voltage	AC 220 V / 380 V, 230 V / 400 V
Rated Current	72A
Rated Grid Frequency	50/60Hz
Battery voltage range	150V-800V
THD	≤3%
System Parameters	
Dimensions (W*D*H)	Hybrid inverter: 530*290 *880mm; Battery Cabinet: 1170*1456*2100 mm)
Weight	About 2000 kg
IP Level	IP66 (Hybrid inverter) ; IP55 (Battery Cabinet)
Cooling method	Intelligent fan (hybrid inverter) ; Air conditioner (battery cabinet)
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°C~50°C
Altitude	< 2000 m
Communication Interface	RS485, Ethernet
Communication protocol	Modbus RTU, Modbus TCP/IP
PV Parameters	
PV input power	100kW
MPPT voltage range	150V -850V
Maximum input current	4×40A
Number of MPPTs	4
Number of PV input channels	8
Automatic switching function between On-grid and Off-grid	
Switching time	<10ms