

Sentinal C&I Energy Storage Cabinets

(105kW / 233kWh · 125kW / 261kWh)

Model

Sentinal 233

Sentinal 261



High-Density Energy Storage

233 / 261 kWh Per Cabinet
Compact Cabinet Footprint



High Performance Power

105 / 125 kW Rated Power
<3% Grid THD



Liquid Cooling System

Uniform Temperature Control
-20°C to 50°C Operation



Flexible Scalability

Multi-Cabinet Parallel Design
Grid & Off-Grid Support



Advanced Fire Safety Design

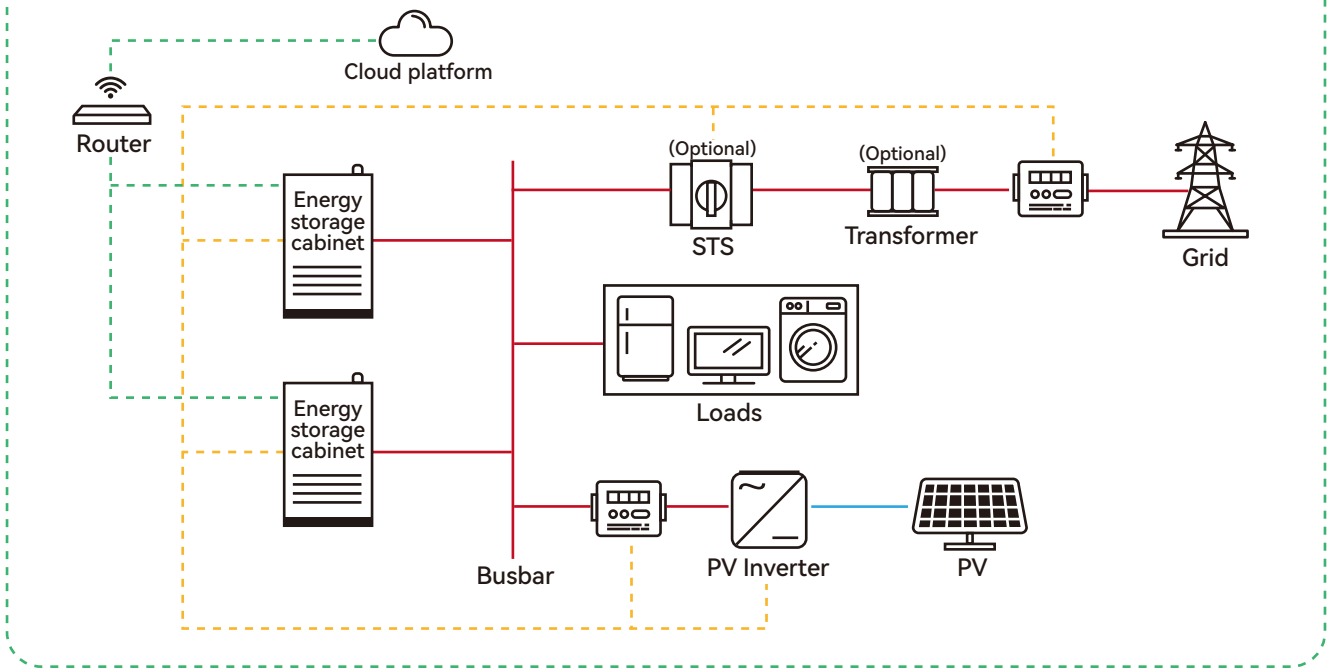
PACK- & Cluster-Level Fire Protection
Perfluorohexanone or Aerosol



Integrated EMS Compatibility

Built-In EMS System
RS485 / CAN Communication

System Connection Illustration (For Reference)



Model	Sentinal 233		Sentinal 261	
System				
Depth of Discharge (DoD)	98%			
Operating Temperature	-20 °C to 50 °C			
Fire Protection	Multi-level fire suppression at Cluster- & PACK-Level (Perfluorohexanone or Aerosol)			
Cooling Method	Liquid cooling			
Communication	RS485, CAN			
Protection Rating	IP54			
Relative Humidity	5% – 95%			
Cabinet Dimensions (W×D×H)	970 × 1400 × 2270 mm (±10 mm)			
Max. Altitude	≤4000 m			
Weight	2300 ± 20 kg		2350 ± 20 kg	
Expansion	Off-grid: Up to 6 units	On-grid: greater	capacity achievable	
AC Side				
Rated Power	105 kW		125 kW	
Max. Power	116 kW		137 kW	
Rated Grid Voltage	230 / 400 V			
Voltage Range	-10% to +15%			
Grid Frequency	50 / 60 Hz			
Power Factor Range	-1 to +1			
Grid-Connected THDi	<3%			
Battery				
Cell Capacity	280 Ah		314 Ah	
Rated Energy	233 kWh		261 kWh	
Pack Configuration	1P52S			
Nominal System Voltage	832 V			
Certifications				
Certifications	IEC 62619		IEC 62619	
	IEC 63056		IEC 63056	
	IEC 62477		IEC 62477	
	UN38.3		IEC 62933	
	IP tests		UN38.3	
	CE-EMC		IP tests	
	CE-LVD		CE-EMC	
	EMC61000		CE-LVD	
		EMC61000		
Grid Code	CEI 0-21			

All specifications are for reference only. Dimensions and weight are approximate and subject to change as product design is finalized.