

Sentinal C&I Energy Storage Cabinets

(105kW / 233kWh)



Model

Sentinal 233



High-Density Energy Storage

233 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

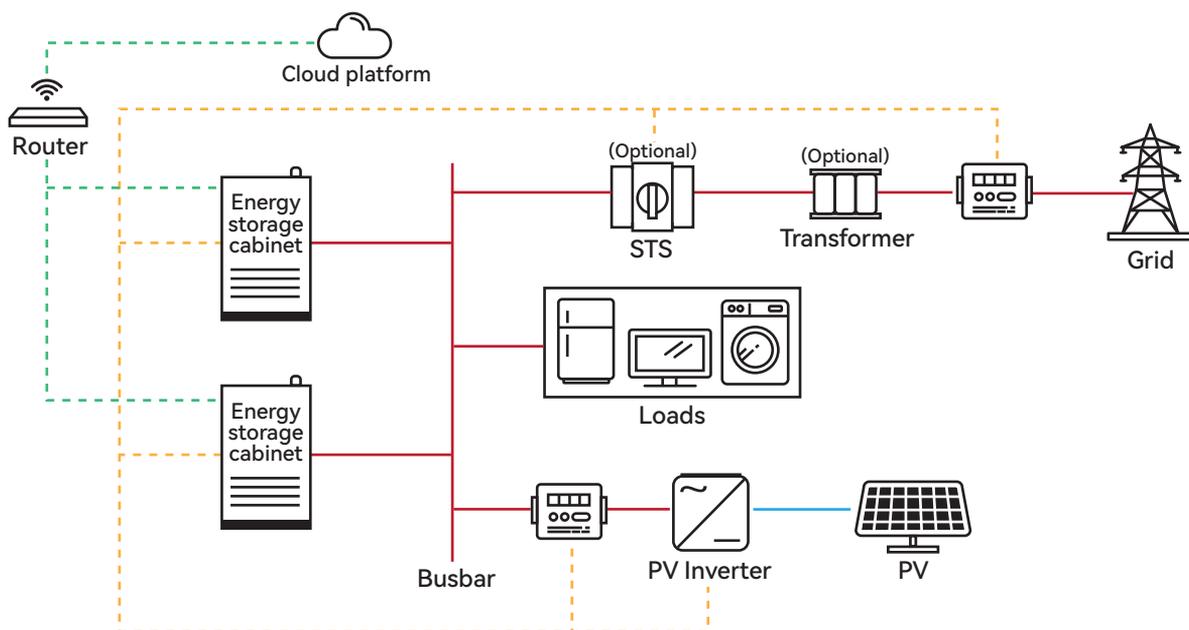
PACK- & Cluster-Level Fire Protection
Perfluorohexanone or Aerosol



Integrated EMS Compatibility

Built-In EMS System
RS485 / CAN Communication

System Connection Illustration (For Reference)



Model	Sentinal 233		
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		
Expansion	Off-grid: Up to 6 units	On-grid: greater	capacity achievable
AC Side			
Rated Power	105 kW		
Max. Power	116 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		
Rated Energy	233 kWh		
Pack Configuration	1P52S		
Nominal System Voltage	832 V		
Certifications			
Certifications	IEC 62619 IEC 63056 IEC 62477 UN38.3 IP tests CE-EMC 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.