

Stars CL261 Series Cabinet ESS



Small Size, Big Power, Multiple-use

261kWh | 125kW | LFP | IP55 | Plug & Play | Multi Layer Safety

Stars CL261 C&I ESS Cabinet

Flagship EU-certified ESS. Industry-leading quiet operation.

- ◆ Silent version: ≤ 60 dB day / 45dB night – active/passive noise control
- ◆ AC/DC dual supply – 30% more stable
- ◆ Intelligent liquid cooling + auto top up – 40% lower OPEX

◆ Application

Standard version Commercial / Campuses / Zero Carbon Buildings

Silent version Hospitals / Schools / Residential / Offices



Stars CL261Pro PV-Diesel-Charging Integrated ESS Cabinet

One-stop PV-diesel-charging solution. High integration, rapid deployment.

- ◆ 250kW PV (10 inputs) – DC-coupled for higher efficiency
- ◆ Seamless grid/off-grid switching – zero interruption
- ◆ Hybrid inverter – 70% faster installation
- ◆ Supports diesel generator
- ◆ Built-in breakers for load/grid/diesel/bypass (optional)

◆ Application

EV Stations / Highway Service Areas / Bus Depots /
Parking Lots / PV-Storage-Charging Hubs

Stars CL261STS On/Off-Grid ESS Cabinet

High reliability for critical loads. Dual-port tiered power supply.

- ◆ Integrated STS – 10ms seamless transfer
- ◆ Multi-level active/passive safety + smart O&M
- ◆ Modular, pre-wired installation

◆ Application

Data Centers / Medical Equipment / Precision Manufacturing / Emergency Backup



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◆ Product Parameters

Model	Stars CL261	Stars CL261Pro	Stars CL261STS
Battery Type	LFP 3.2V / 314Ah		
Rated Energy	261.2kWh		
Battery Configuration	1P260S		
DC Voltage Range	650~949V		
Load Power	125kW		
Grid Power	/	207kW	250kW
DG Power	/	207kW	/
PV Input	/	250kW (DC), 10MPPTs (20S) MC4, 150~950V	/
On/Off-Grid Switch Time	/	10ms	
IP Level	IP55 (Complete System)		
Corrosion-Proof Grade	C4H		
Cooling Type	Intelligent Liquid Cooling (with Automatic Refilling)		
Operating Temp. Range	-30℃ ~ 55℃ (>45℃ Derating)		
Operating Altitude	≤2000m (> 2000m Derating)		
Relative Humidity	0-95% (Non-condensing)		
Noise	≤70dB, ≤60dB (Silent Version)	≤75dB	
Communication Interface	LAN / RS485		
Communication Protocol	Modbus, IEC104, MQTT		
Operating Modes	On-Grid, Off-Grid	On-Grid, Off-Grid, On/Off-Grid Switching	
Dimensions (W*D*H)	1012*1350*2270mm (±10mm)	1520*1350*2270mm	
Weight	≤2.5t	≤2.9t	
Fire Protection System	Pack-level Aerosol + Cluster-level Aerosol + Water Fire Suppression (Optional) + Explosion-proof Ventilation (Optional) + Active Early Warning System		
Cycle Life	≥8000 (EoL 70% SOH)		
Certifications	IEC/EN 62619, IEC 60730-1, IEC 62477, IEC 60529, IEC 61000-6-2, IEC 61000-6-4		
Installation	Floor-Mounted		

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