

# SL125/257CR NEW

## C&I Energy Storage System



### Product Feature

- 300+Ah big cell capacity, high energy density, small footprint;
- AC/DC modular design, systematic delivery, and more convenient for maintenance;
- Integrated system design, convenient and efficient for transportation, lifting and installation, faster on-site construction;
- Intelligent liquid cooling technology and efficient thermal management can balance heat dissipation, cell temperature difference  $\leq 2.1$  °C;
- System grade fire protection, Pack grade fire protection, water fire protection and vented explosion design, safe and reliable;
- Cluster level battery management, higher battery utilization.

Model	SL125/257CR
<b>Battery cabinet data</b>	
Cell type	LFP
System battery configuration	256S/1P-314Ah*
Battery capacity (BOL) at DC side	257 kWh
System output voltage range	691.2 ~ 934.4 V
<b>PCS cabinet data</b>	
Nominal AC power	125 kW
Max.THD of current	< 3% (at nominal power)
DC component	< 0.5% (at nominal power)
Nominal grid voltage	400 V
Nominal grid voltage range	340 ~ 440 V
Nominal grid frequency	50/60 Hz
Nominal grid frequency range	45-55 Hz / 55-65 Hz
<b>General data</b>	
Dimensions (W×H×D)	1050 x 2350 x 1600 mm
Weight	< 2800 kg
Max. cycle efficiency	≥ 90%
Charge/Discharge Rate	≤0.5C
Cycle index	≥8000 times**
Ingress Protection Rating	IP55
Auxiliary power supply	Self powered / external powered
Anti-corrosion grade	C3 (standard), C5 (optional)
Allowable relative humidity range	0% ~ 100% (non-condensing)
Operating temperature range	-20°C ~ 60°C (> 45°C derating)
Max. working altitude	4000 m (>2000 m derating)
Cooling concept of battery chamber	Intelligent liquid cooling
Fire safety equipment	Smoke sensing, temperature sensing, combustible gas detector, sound and light alarm, Space grade fire protection, PACK fire protection, submerged water fire protection
Communication port	Ethernet/CAN/RS485
Communication protocol	IEC61850/Modbus
<b>Standards Compliance</b>	
Grid Connection	GB/T 34120/34133, EN 50549-1, CEI 0-21, VDE-AR-N 4105, NTS Type A&B, RD 1699/661/413/647/244/2019, UNE 206006/206007/217001/217002
Safety Regulation	EN/IEC 62109-1/2, IEC 62619, GB/T36276
Others	EN/IEC 61000-6-1/2/3/4

\*Max. cell capacity: 320Ah

\*\*25°C, 0.5C, 70% SOH