

SL50/120CR NEW

C&I Energy Storage System



Product Feature

- Space grade fire protection, water fire protection and vented explosion design, safe and reliable;
- Intelligent liquid cooling technology and efficient thermal management can balance heat dissipation, cell temperature difference ≤ 2.1 °C;
- Full stack self-developed and integrated BMS/Inverter/Pack, moduled design for fast installation;
- AC/DC modular design, systematic delivery, and more convenient for maintenance;
- Free online monitoring to enhance energy management;
- Save Capex, expanding as required, max. 10 cabinets parallel operation;

Model	SL50/120CR
PV side	
Max. input voltage	1000 V
MPPT voltage range	135-900 V
Max. current per MPPT	40 A
Number of MPPT	4
Number of inputs per MPPT	2
Battery side	
Battery type	LFP
Cell parameter	314Ah 3.2V
PACK configuration	60kWh/1P60S
Battery system configuration	120kWh/1P120S
Max. DC Current	150 A
Operating voltage range	324-438 V
Hybrid side	
Rated Output Power	50 kW
Max. AC output power	55 kW
AC output system	TN
Total Harmonic Distortion (THDv)	<3% (Linear load)
DC component	<0.5% (Rated power)
Nominal AC voltage	3L/N/PE, 230/400Vac
Grid voltage range	323-418V
Adjustable Power Factor Range	-1--+1
Nominal grid frequency	50 Hz/60 Hz
frequency range	45-55 Hz/55-65 Hz
General parameters	
Dimensions (W×H×D)	1050 x 2000 x 1600 mm
Weight	< 2000 kg
Max. efficiency	≥ 90%
Charge/Discharge rate	≤ 0.5C
Cycle index	≥ 8000 times *
Ingress Protection Rating	IP55
Auxiliary power supply	Self-powered and external power supply
Operation temperature range	-35°C ~+55°C (>45°C derating)
Operation humidity range	0-100%
Max. operation altitude	4000 m (>2000 m derating)
Noise	≤70dB
Anti corrosion level	C3 (standard), C5 (optional)
Battery temperature control mode	Intelligent liquid cooling
Fire safety configuration	Smoke sensing, temperature sensing, combustible gas detector, sound and light alarm Space grade fire protection, submerged water fire protection
Communication port	Ethernet/CAN/RS485
Communication protocol	IEC61850/Modbus
Standards Compliance	
Grid Connection	NB/T 32004, 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

*25°C, 0.5C, 70% SOH