



C3

FEATURES



High Level of Safety

- Single-cluster control, no parallel connection on DC side, small short-circuit current
- The energy storage cabinets are independent to achieve electrical and fire safety isolation
- Cell temperature difference < 3°C, improving safety and cycle life.



Grid Friendly

- Multiple control modes such as PQ and Grid Forming, suitable for various application scenarios
- Support IEC61850 protocol and fast communication interface, millisecond level response
- Support fault recording to facilitate fault analysis and location



Highly Integrated

- Battery and PCS are fully liquid-cooled, with IP66 high protection
- Integrated cabinet directly outputs AC, and supports parallel connection of multiple cabinets on the AC side
- Modular design, easy to expand, power and energy density increased by >30%



High Efficiency

- Liquid cooling and efficient heat dissipation, system cycle efficiency increased by >1%
- PCS three-level topology, the highest efficiency is 99%

Technical Parameters		C3-233	C3-372
Battery Capacity		232.9kWh	372.7kWh
Electrical Parameters	Battery cell	LFP 280Ah	
	Rated power	100 kW	
	Rated energy	232.9kWh	372.7kWh
	DC voltage range	650~949Vdc	1040~1500Vdc
	Rated grid voltage	400Vac	
	Allowable grid voltage	360~440Vac	
	Rated grid frequency	50Hz / 60Hz	
	Allowable grid frequency	45~55Hz / 55~65Hz	
	Auxiliary power input	Chiller:380Vac(50~60Hz) / Control system:220Vac(50~60Hz)	
	THD	<3%	
	Charge and discharge conversion time	<30ms	
	Power factor	>0.99	
	Power factor range	-1~1	
	AC access method	Three-phase three-wire system	
Performance and Safety	Cycle efficiency	≥88%	
	Cycle life	6300 times	
	Calendar life	15 years	
	Cooling mode	Liquid cooling	
	Fire protection	Aerosol/Perfluoro/Water firefighting(optional)	
	Explosion-proof	Module explosion venting	
	Thermal management	Both battery and PCS are liquid cooled	
	Certification	IEC62477, UN38.3, IEC62619, IEC63056, EN61000	
Mechanical Parameter	Weight	2500 kg	3500kg
	Dimensions(W*H*D)	1500mm*2480mm*1300mm	
	Degree of protection	Core equipment IP66(Battery module IP67)	
	Range of working temperature	-30 ~ 50°C	
	Working humidity range	0~100%	
	Maximum operating altitude	3000m	
	Noise	≤70dB(1m)	≤80dB(1m)
Interface & Protocols	Communication Interface	RJ45, Optical fiber port	
	Communication protocol	IEC61850, Modbus TCP	
	Remote operation and maintenance	Support	

Installation Conditions: For installations in extremely cold regions(-30°C or below), indoor installation is recommended to comply with the product warranty criteria.

