



C2

## FEATURES



### High Level of Safety

- Intelligent BMS design and safety protection effectively enhance safety and reliability
- Adopt combustible gas detection, separate air duct design and pack double bolt insulating installation
- IP55 grade, suitable for outdoor installation



### RE Power Utilization

- The front-end of the system can be connected to multiple RE energy system such as solar power, diesel generator, wind turbine, etc, and the back-end of the system can be connected to DC charging piles and forming an integrated RE+ storage + charging project



### Modular design

- Modular design, easy to expand and be transported, installed and maintained
- Adapt to different voltage and capacity requirements, aiming to provide reliable energy supply for all fixed loads in the C&I industries
- Multiple battery cabinets can be connected in parallel to provide a largescale energy storage solution



### Highly Integrated

- C2 consists of one-stop integration of battery module, BMS, PCS, fire protection system, and temperature control system
- C2 provides standard CAN protocol and Modbus RTU protocol and can be controlled by external controllers, which can be used for grid auxiliary service

Technical Parameters		C2-30P	C2-60P
Battery Capacity		69.12kWh	138.24kWh
Electrical Parameters	Battery cell	LFP 100Ah	
	Rated power	30kVA	60kVA
	Rated energy	46.08kWh~138.24kWh(optional)	
	DC voltage range	403.2Vdc~777.6Vdc(per rack)	
	Rated grid voltage	400Vac	
	Allowable grid voltage	400Vac±15%	
	Rated grid frequency	50Hz/60Hz	
	Allowable grid frequency	47.5Hz~52.5Hz/57.5Hz~62.5Hz	
	THD	<3%	
	Charge and discharge conversion time	<100ms	
	Power factor	0.98(load>50%,otherwise 0.95)	
	Power factor range	-1~1	
	AC access method	3P4W+PE	
DC-DC	DC-DC Rated output	30kW	60kW
	PV Input voltage range	350Vdc~1000Vdc	
	Maximum conversion efficiency	98.5%	
Performance and safety	System conversion efficiency	>85%	
	Fire protection	FM200 automatic fire extinguishing(Novec1230/Aerosol is optional)	
	Thermal management	Battery Cabinet (air conditioner) & Electrical Cabinet (forced air cooling)	
	Certification	System: CE(IEC61000,IEC62619,IEC62477),UN3480, UKCA; Cell: IEC 62619, UL1973, UL9540A; Pack: UN38.3; PCS: UL 1971, UL 9540	
Mechanical Parameter	Weight	about1500kg	about2700kg
	Dimensions(W*H*D)	1350*2100*1050mm	2200mm*2100mm*1050mm
	Degree of protection	IP55(Suitable for outdoor)	
	Range of working temperature	-20°C~50°C	
	Working humidity range	0-95%(non-condensing)	
	Maximum operating altitude	<2000m	
	Noise	≤75dB	
Interface & Protocols	Communication interface	CAN,RS485,Ethernet	
	Communication protocol	CAN,Modbus RTU, Modbus TCP/IP	
	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.

