



CT

Product Features



Trusted Security

Utilizing a stable LFP (Lithium Iron Phosphate) battery and employing a protective operation system with monitoring and linkage to ensure safety.



Corresponding to Various Needs

Combining energy-saving measures with photovoltaic power generation enables the full utilization of environmentally friendly energy to optimise cost savings with an aesthetic, safe and secure design.



Stable System

Equipped with an efficient and reliable cooling system, it ensures stable temperature fluctuations of the battery pack during operation.



Integrated Intelligence

Integrated design of local controllers, air conditioning systems, fault protection systems, fire control systems, and efficient intelligent system integration.



Expansion Function

The system features scalability, allowing capacity adjustments based on customer needs, while also providing compatible software.



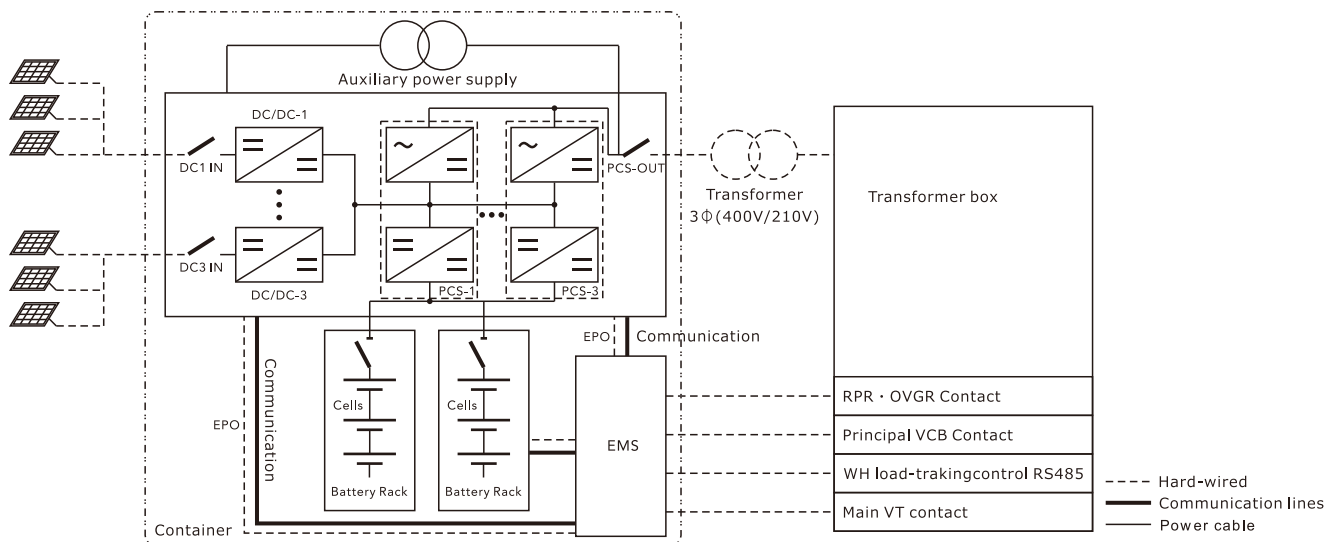
High quality, Long life

Utilizing state-of-the-art lithium iron phosphate batteries, the system achieves both safety requirements and an extended lifespan.



Technical Parameters		C1-133	C1-266
Battery Capacity		133kWh	266kWh
Electrical Parameters	Battery cell	LFP 100Ah	
	Rated power	60kVA	90kVA
	Rated energy	81.9kWh~266kWh(optional)	
	DC voltage range	409.6Vdc~665.6Vdc(per rack)	
	Rated grid voltage	400Vac	
	Allowable grid voltage	400Vac(-15%~15%)	
	Rated grid frequency	50Hz/60Hz	
	Allowable grid frequency	47.5Hz-52.5Hz/57.5Hz-62.5Hz	
	THD	<3%	
	Charge and discharge conversion time	<30ms	
	Power factor range	-1~1	
AC access method	3P4W+PE		
DC-DC	DC-DC Rated output	45kW/90kW/135kW(optional)	
	PV Input voltage range	200Vdc~810Vdc	
	Maximum conversion efficiency	99%	
Performance and safety	System conversion efficiency	>80.7%	
	Fire protection	FM200 automatic fire extinguishing(Novec1230/Aerosol is optional)	
	Thermal management	Battery Cabinet (air conditioner) & Electrical Cabinet (forced air cooling)	
	Certification	Pack: IEC62619,UL1973,UL9540A,GBT36276,RCM,CE EMC,FCC Cell: IEC62619,UL1973,UL9540A,GBT36276; PCS: UL 1971, UL 9540	
Mechanical Parameter	Weight	about3022kg	about4062kg
	Dimensions(W*H*D)	2100mm*2450mm*1300mm	
	Degree of protection	IP54/NEMA 3R	
	Range of working temperature	-20°C~50°C	
	Working humidity range	0-95%(non-condensing)	
	Maximum operating altitude	<3000m(Derating over 2000m)	
	Noise	≤75dB	
Interface & Protocols	Communication interface	CAN,RS485,Ethernet	
	Communication protocol	CAN,Modbus TCP, Modbus RTU, IEC104	
	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.



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THE dotted line is at the customer's discretion