



# Three Phase(On Grid) Inverter 125kW LFP 215kWh

280Ah Capacity



## Features



### Safety

System safety through integrated awareness, fuse protection, energy storage, and bus control enhancements for electrical systems.



### Economical

Pre-made machine delivered as a whole for easy transportation& installation& maintenance, saving up to 15% in costs.



### Minimalist

All-in-one design for easy installation in commercial applications, grid-friendly.



### Intelligent

Platform supports remote monitoring& maintenance& intelligent balancing strategy for battery life cycle consistency& revenue improvement.



# Technical Specifications

Model	CTE LFP 21500Wh
Battery Parameters	
Rated Capacity	280Ah
Total Energy	17920Wh
Series/Parallel Structure	1P20S
Rated Voltage	64V
Rated Charging Current	140A
Maximum Charging Current	150A
Rated Discharge Current	140A
Maximum Discharge Current	150A
Operating Voltage Range	60~72V
Battery Pack Internal Resistance	≤8.5mΩ
Operating Temperature(Charging)	0~54℃
Operating Temperature(Discharging)	-20~54℃
Operating Humidity	95%Rh No Condensation
Battery Pack Weight	170.5±1kg
Storage Temperature	-30~60℃
Application Altitude	≤2000m
Cooling Condition	Forced Air Cooling
Electrical Insulation Resistance	≥500mΩ
Voltage Leakage Current	≤10μA
Power Interface	Copper Connection
Communication Port	CAN/RS485
Installation	Rack Mount
IP Protection Rating	IP 54
Firefighting Configuration	Built-in aerosols/ Optional built-in perfluorohexanone
Certification	GB/T 36276, IEC62619, UN38.3
Model	CTE LFP 215000Wh
Battery Cabinet Parameters	
Rated Capacity	280Ah
Total Energy	215040Wh
Series/Parallel Structure	1P240S
Rated Voltage	768V
Operating Voltage Range	720~864V
Rated Charging Current	140A
Maximum Continuous Charging Current	150A
Rated Discharge Current	140A
Maximum Continuous Discharge Current	150A
Operating Temperature(Charging)	0~54℃
Operating Temperature(Discharging)	-20~54℃
Battery Cabinet Weight	≤2700kg
Environment Humidity	≤95%Rh
Storage Temperature	-30~60℃ / 0~35℃
Application Altitude	≤2000m
Cooling Condition	Air Conditioner Cooling



Auxiliary Supply Voltage Range	220VAC
Auxiliary Supply Power(Heating)	≤6400W
Auxiliary Supply Power(Cooling)	≤3400W
Electrical Insulation Resistance	≥500mΩ
Voltage Leakage Current	≤10μA
Power Interface	Copper Busbar/Cold Pressed Terminals
Communication Port	ModbusRTU/Modbus TCP
Installation	Floor Standing, Outdoor/Indoor
IP Protection Rating	IP 54
Firefighting Configuration	Built-in aerosols/ Optional built-in perfluorohexanone
Certification	GB/T 36276, IEC62619, UN38.3
Size (W×L×H)	1500*1400*2150mm
Weight	2300kg
Model	CTE PCS
AC Parameters	
Rated Output Power	125kVA
Output Line System	3W+N
Communication Overload Capacity	137.5kVA
Grid Parameters	
Grid Voltage Range	400(-15%~15%)Vac
Grid Frequency Range	50 (-2.5~2.5) Hz
Current Total Harmonic Distortion	≤3%
Voltage Ripple Coefficient	<1%
Power Factor	0.99/-1~1
DC Parameters	
Maximum Input Power	137.5kW
DC Current Range	600~1000 (650~1000 full load) Vac
DC Input number	1
Maximum DC Current	212A
Voltage Stabilization Accuracy	≤±1%
Current Stabilization Accuracy	≤±1%
General Data	
Maximum Efficiency	≥99%
Noises	<80dB
Protection Class	IP20
Operation Temperature Range	-20~60℃(>50℃ derating)
Cooling Method	Air-cooled, Intelligent Fan Speed Control
Relative Humidity	0~95%(No condensation)
Highest Altitude	3000m(>3000m derating)
Display & Communication	
Communication Interface	RS 485, Ethernet, CAN
Communication Protocols	Modbus TCP/RTU, CAN2.0
BMS	Yes