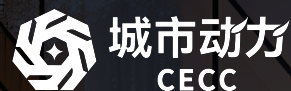


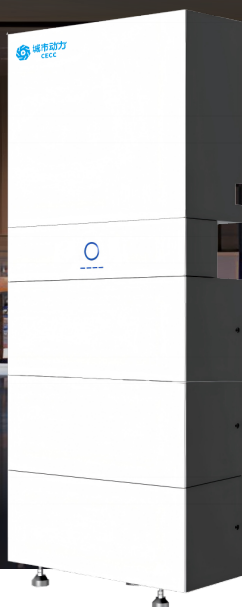
CT-6



HOME ENERGY PROTECTOR

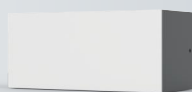
Power · Light

Residential ESS



- **11.2kW**
Per Unit Operating Power
- **141Wh/kg**
Ultra-High Energy Density
- **-20°C**
Subzero Operation
- **IP54**
Isolation Protection
- **CATL LFP**

141 Wh/kg
Ultra-High Energy Density
5.06 kWh per Unit



All-Rounder



PV



EV Charger



Appliances

Aerospace Aluminum

35 kg
per Unit

Isolation Protection

IP66



Dustproof



Waterproof

Smarter **AI** RESS



Automatic Low Power Mode Activation During Faults



Remote APP Control, Quick Response

Per Unit Operating Power

11.2 kW

Efficient Energy Storage and Usage

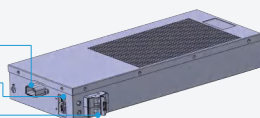
	Capacity (kWh)	Weight (kg)	Dimension (W×D×H, mm)	Energy Density (Wh/kg)	Charging Temperature (°C)	Charge/Discharge Power (kW)	Ingress Protection	MPPT Channels
CECC	5.06	36	658×275×290	140.5	-20 ~ 45	11.2	IP66	4
OTHER	2.9	42	610×236×303	69	-10 ~ 50	11.4	IP65	2 ~ 3

Patented Design | Non-Dismantle Battery Recharge

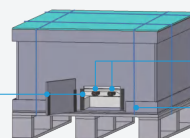
Communication Port

Circuit Breaker

Recharge Terminals: +/-



Strong Adhesive Hook-and-Loop



Recharge Terminals: +/-

Tray Avoiding Recharge Port

System Model	CT-6-8		CT-6-10	
SYSTEM SPECIFICATIONS				
Battery Type	LFP			
Battery Module	BB-LFP-45Ah-S			
Cycle Life (@25°C)	≥6000			
Usable capacity	10kWh ~ 20kWh			
Max. Output Power	8kW		10kW	
No. of Battery Modules	2 ~ 4			
Grid-to-Off-Grid Switching Time	< 10ms			
COMMUNICATION SPECIFICATION				
Display	SOC Status Indicator, Operational status, APP			
Communication	Ethernet, Wi-Fi, Bluetooth (for connecting to the APP)			
Rated AC Frequency	50/60Hz			
AC INPUT				
Rated Input Voltage (3/N/PE)	230/400Vac			
Max. Input Current	18.2A		22.8A	
Max. Bypass Input Power	12kW		15kW	
AC OUTPUT				
Rated Output Voltage (3/N/PE)	230/400Vac			
Rated Output Current	12.2A		15.2A	
PV INPUT				
MPPT Voltage Range	200 ~ 850Vdc			
Max. Input Power of PV	12.8kW		16kW	
PV String Quantity	4			
Max. Input Current	16/16/16/16A			
Max. Input Short Circuit Current	24A			
GENERAL SPECIFICATION				
Dimension (W×D×H)	662×278×1375 mm for 2 battery Modules 662×278×1665 mm for 3 battery Modules 662×278×1955 mm for 4 battery Modules			
Weight	115kg for 2 battery Modules 150.5kg for 3 battery Modules 186kg for 4 battery Modules			
Installation	Wall-mounted			
Operating Temperature Range	-20°C ~ 45°C			
Operating Altitude	< 2000m			
Relative Humidity Range	5% ~ 95%			
Ingress Protection	IP54			
STANDARD COMPLIANCE				
Safety Certifications	IEC 62109-1, IEC 62109-2, IEC 61000-6-1, IEC 61000-6-3			
Grid Certifications	VDE-AR-N 4105, EN 50549-1, TORErzeugerTypA, OVE-RichtlinieR25			
Battery System Certifications	IEC 62619, UN 38.3, CE-EMC, IEC 60730-1, VDE 2510-50, IEC 62477			

