

ONE STOP ENERGY STORAGE SYSTEM SOLUTION

CTS-Customized Technical Service

- Highly integrated
- Unattended, intelligent platform
- Multi level monitoring to ensure safety

WHY LARGE CAPACITY CONTAINER BATTERY ?



1. Unreasonable global power structure, energy shortages, and temporal or local differences between grid supply and demand.
2. New energy is widely used over the world, and intermittent power generation causes power instability.
3. During peak time, there is not enough power, and when trough time, the power is idled.
4. High grid coverage costs, diesel power generation is not environmentally friendly, voltage instability, power generation interruption and other issues.
5. The global environmental protection and energy saving requirements have increased, and environmental protection and energy saving projects have begun to be implemented and popularized in large numbers.

WHY CTS CONTAINER BATTERY?

Mobile microgrid
Uninterruptible
power supply

Save electricity by
avoid peak power
consumption

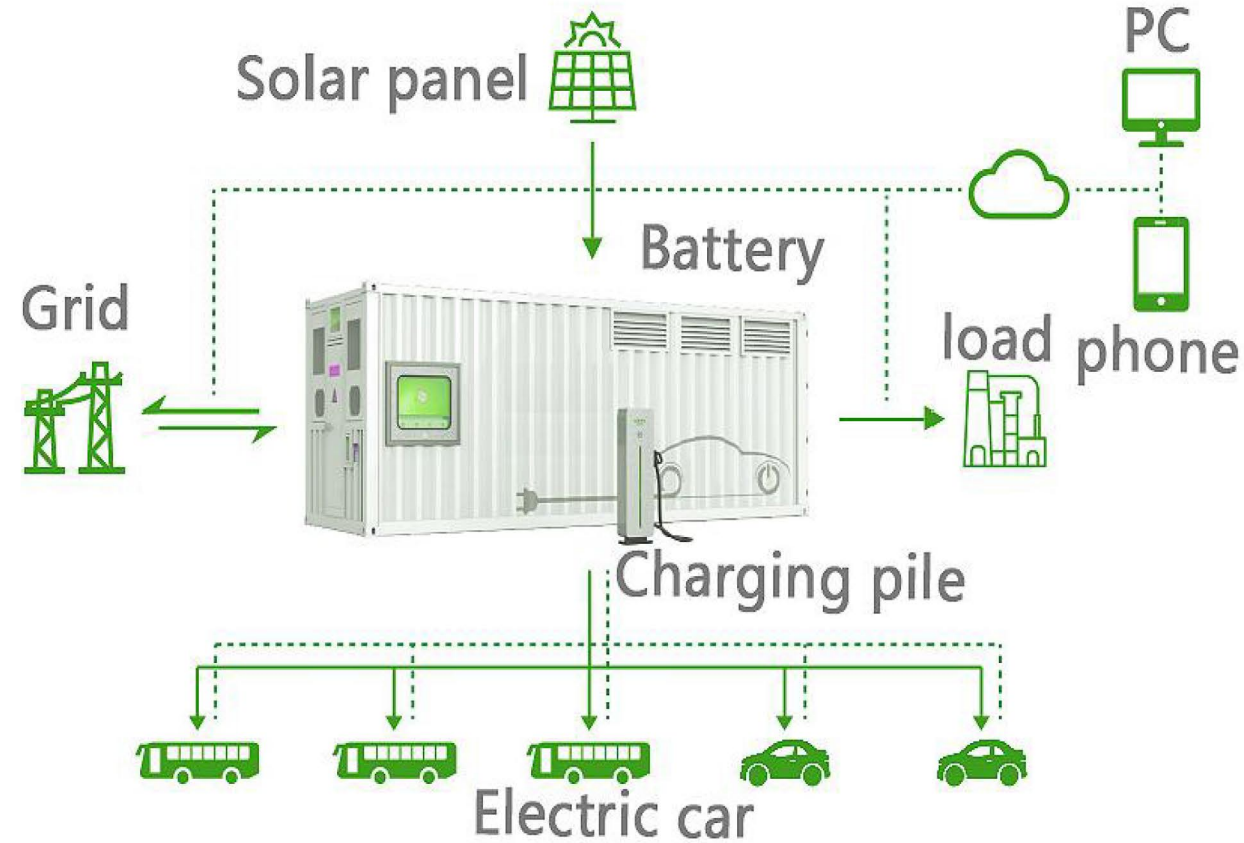
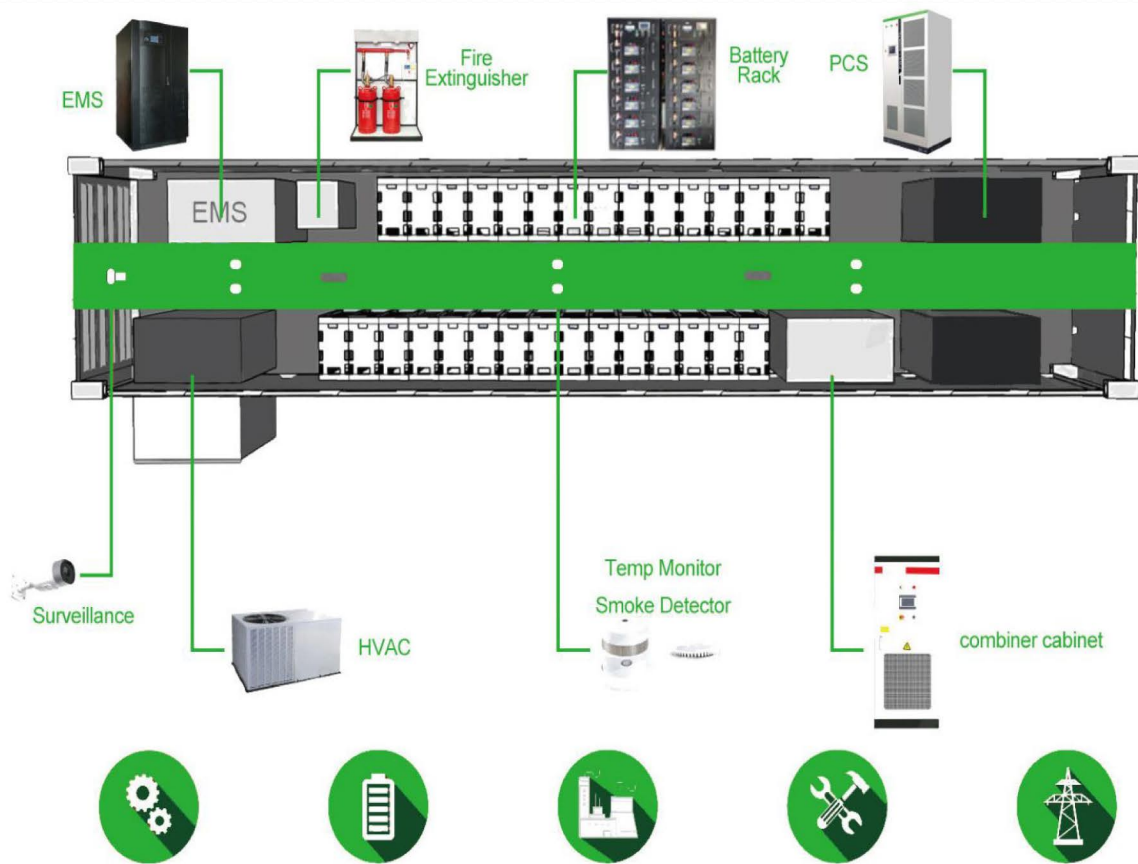
Zero emission to
protect environment

Backup power
supply of grid
or generator

24-hour
pre-sales, in-sales
and after-sales support



INNER STRUCTURE OUTSIDE APPLICATION



ASSEMBLY PROCESS



LFP Battery Cell



Module



Battery Cluster



Energy Storage Container

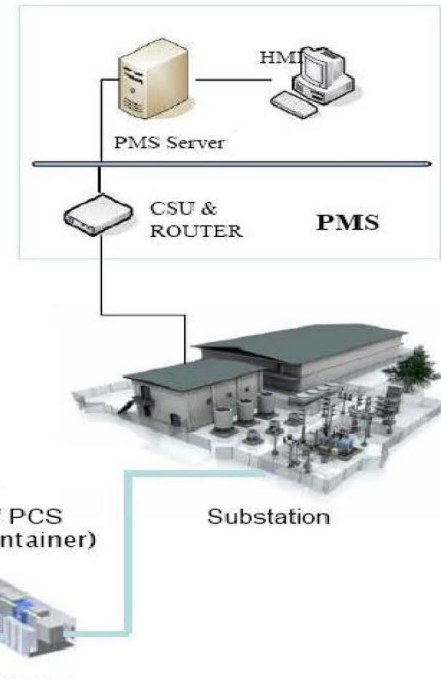
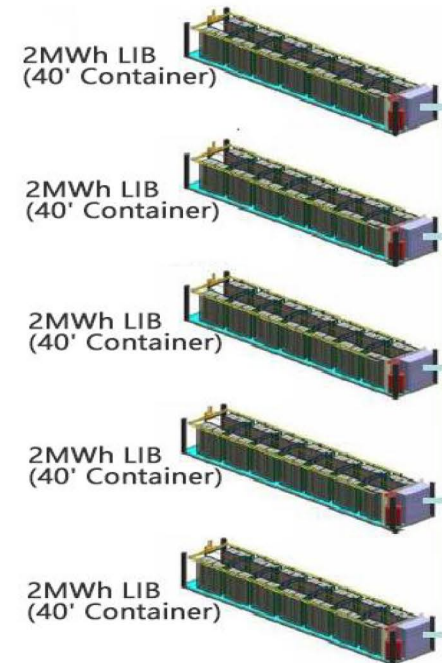


High Voltage Battery Energy System

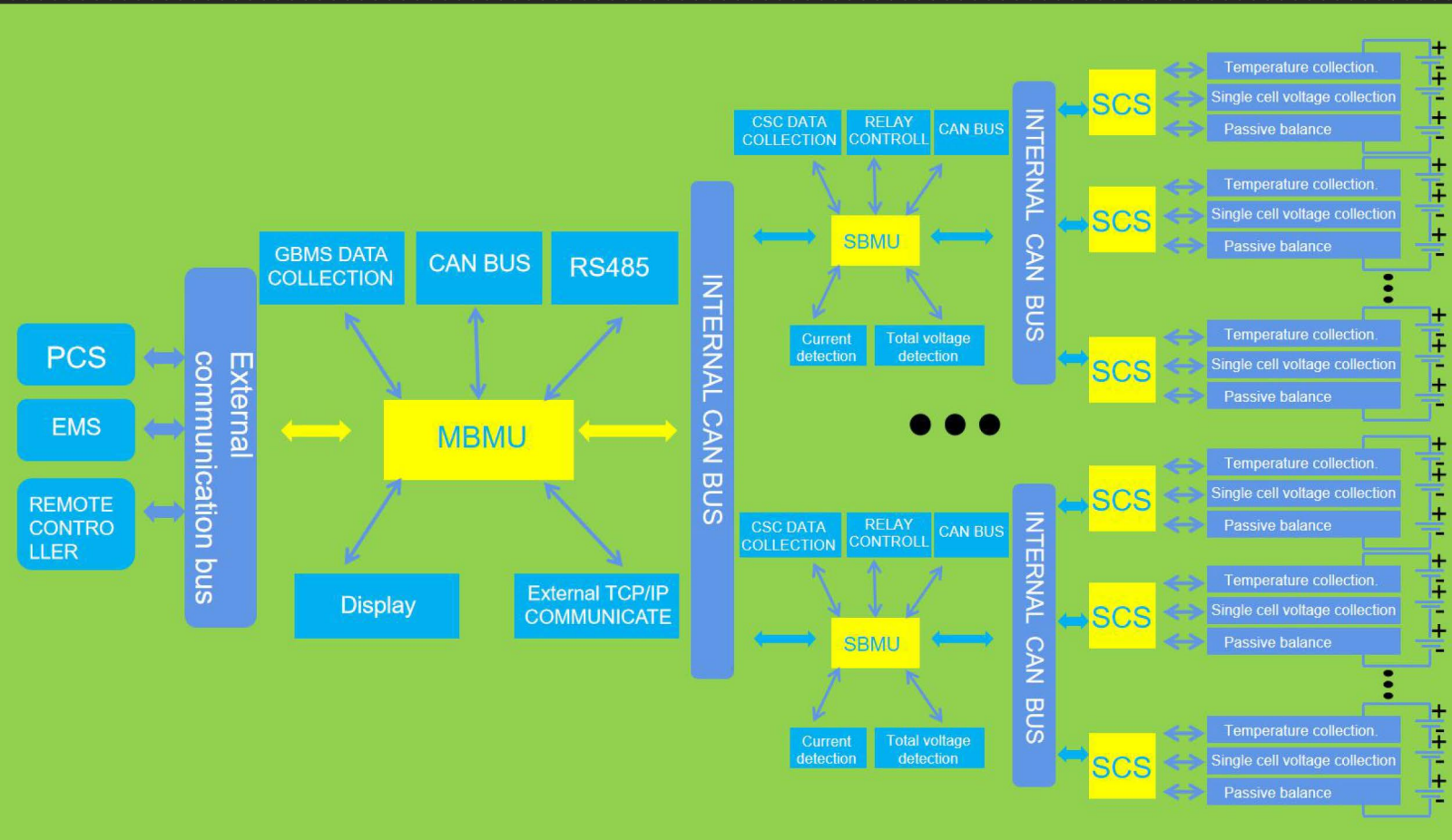
PARALLEL AVAILABLE TO BIG SYSTEMS



10MWh batteries: 5*40ft containers
2MW PCS: 20ft container



ARCHITECTURE DIAGRAM FOR BMS



BMS System

1. CSC manage single 48V battery module.
2. SBMU manage CSCs
3. MBMU manage SBMUs

APPLICATION CASE——1.22MWH



Technical Parameter	
Material	LFP
Rated Power	250KW/500KW, optional
Rated Capacity	1.22MWH
DC Voltage Range	450V-850VDC
Balance Mode	passive/active, optional
Energy Management System and Monitoring	Yes
Voltage Connecting to Grid	380/400/415/480/600V, 10KV/35KV, optional
Number of Cycles	>6000, > 8000, >10000
Working Temperature	Discharge: -20-55° C Charge: 0-50° C
IP Grade	IP54
Overall Dimension	20ft

APPLICATION CASE——2.5MWH

Technical Parameter	
Material	LFP
Rated Power	500KW/750KW/1000KW optional
Rated Capacity	2.5MWH
DC Voltage Range	450V-850VDC
Balance Mode	passive/active, optional
Energy Management System and Monitoring	Yes
Voltage Connecting to Grid	380/400/415/480/600V, 10KV/35KV, optional
Number of Cycles	>6000, > 8000, >10000
Working Temperature	Discharge: -20-55° C Charge: 0-50° C
IP Grade	IP54
Overall Dimension	40ft



APPLICATION CASE——10MWH



Technical Parameter	
Material	LFP
Rated Power	500KW/750KW/1000KW optional
Rated Capacity	2.5MWH*4
DC Voltage Range	450V-1280VDC
Balance Mode	passive/active, optional
Energy Management System and Monitoring	Yes
Voltage Connecting to Grid	380/400/415/480/600V, 10KV/35KV, optional
Number of Cycles	>6000, > 8000, >10000
Working Temperature	Discharge: -20-55° C Charge: 0-50° C
IP Grade	IP54
Overall Dimension	40ft*4

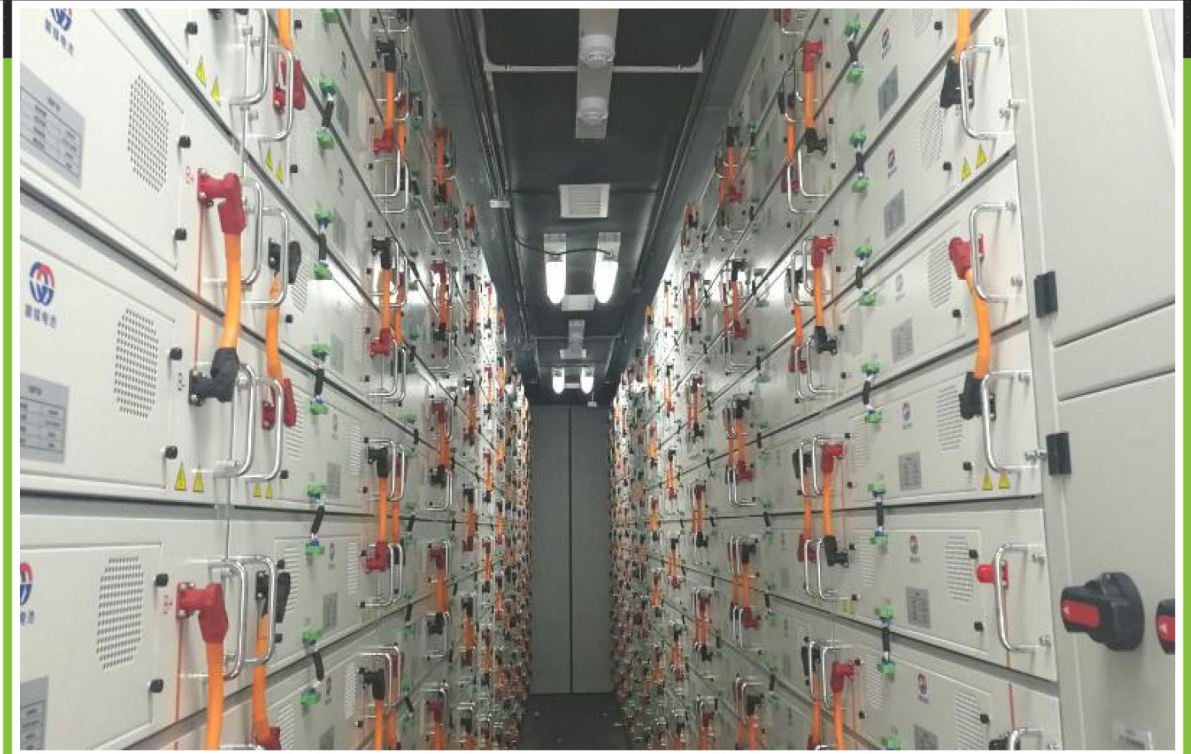
PRODUCT DISPLAY



PRODUCT DISPLAY



PRODUCT DISPLAY



PRODUCT DISPLAY





CUSTOMIZED TECHNICAL SERVICE

If any questions of the battery , please feel free to conatct me !

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