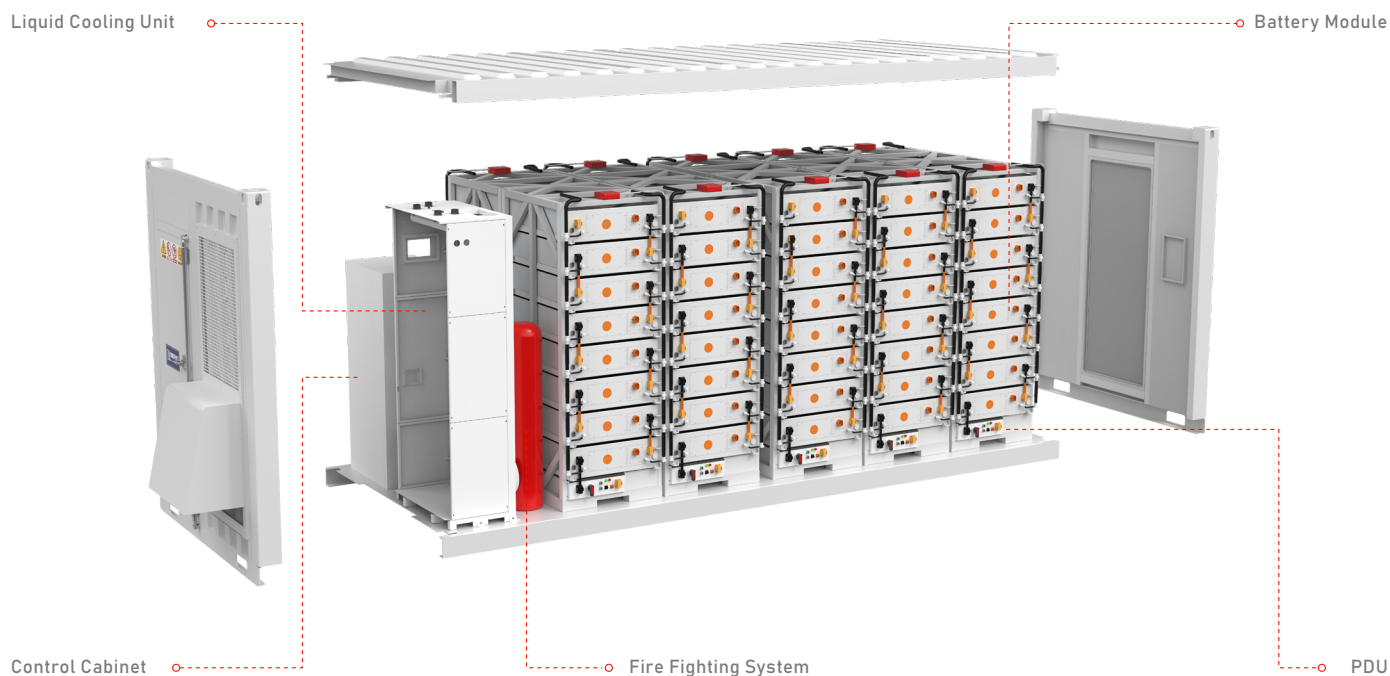




# Liquid Cooling MTCB Container Energy Storage System

- Integrated & standardized energy storage system, easy to transport, install and maintain
- Modular design, support system expansion.
- Famous manufacturer provide LFP cells with good lifespan over 10 years.
- All-round real-time monitoring and energy optimization management, fully guarantee the safety of the battery system.
- Multiple working modes, suitable for various applications.
- Liquid cooling system, automatic balance management, effectively improve battery efficiency and life.
- Unattended, convenient EMS access, online real-time system monitoring.

## MTCB Series



MODULE	MTCB-G20-LC	
Battery		
Battery Type	LiFePO4	
Rated Charge/Discharge Performance	≤ 0.5C	
Nominal Voltage [V]	1331.2	
Operating Voltage Range [V]	1164.8~1497.6V	
Cell Rated Capacity [Ah]	280	314
Rated Capacity [kWh]	3354	5015.96
Composition	(1P416S)*9P	(1P416S)*12P
General Data		
Ingress Protection	IP55	
Cooling Method	Liquid cooling	
Fire Fighting System	1230 fire fighting system	
Relative Humidity	0~95%, non-condensing	
Temp. Range [°C]	-20~+50	
Altitude [m]	5000 (>2000 derating)	
Communication	CAN, RS485	
Communication Protocol	Modbus, IEC104	
Weight [T]	< 35	< 45
Dimension (W*D*H) [mm]	6058×2438×2896	
Delivery Method	Integral transportation	

\* In case of changes in product dimensions and parameters, the latest information from our company shall prevail without prior notice.

# Application Scenarios

## Power Expansion

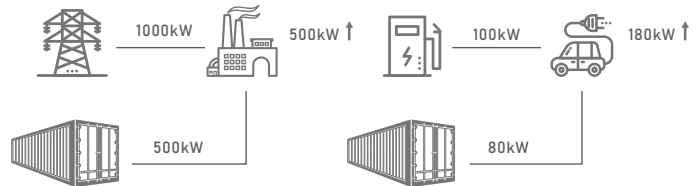
Discharge when the distribution capacity cannot meet the load demand to achieve the effect of virtual capacity expansion.



Factory



Charging Station



## Wind and Solar Energy Consumption

Storing the surplus power emitted by the PV during the day for discharging at night.



PV Power Station



Wind Power Station



Hybrid Charging



## Solar & Energy Microgrid

Can realize electricity saving. Applications such as backup power supply provide stable power in areas that cannot be connected to the grid, such as islands and mountainous areas.



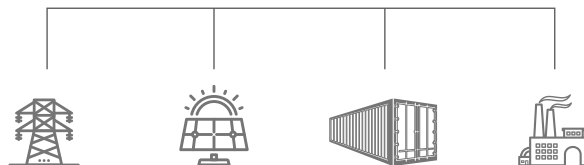
Factory



Charging Station



Remote Area



## Demand Response

Enable power grid dispatching, entitle dispatching subsidies.



Factory



Office Block



Shopping Mall

