



## Industrial & Commercial Container ESS System



### Product Features:



#### High Integration:

⇒ Standard 20ft container capacity, fire protection, power & environment supervision, 3S system integrated linkage emergency stop protection design; Electrical and battery separation design.



#### High Safety:

⇒ Five-layer security design, four-level protection guarantee, and multi-dimensional early warning system ensure system security in all aspects.

⇒ Independent fire protection system, prevention-oriented fire protection strategy, comply with NFPA855, UL9540, UL9540A, GB and other international or national standards.



#### Long Service Life:

⇒ Equipped with high-quality advanced batteries, the battery cell has a maximum cycle life of 10,000 times.

⇒ Integrated variable frequency liquid cooling system, the temperature difference between the internal cells of the battery cluster is less than 3 °C, and the service life can be increased by 33%.



#### Intelligent operation and maintenance:

⇒ Modular design improves the convenience of operation and maintenance, cloud-edge collaboration, and digital twin technology realize remote intelligent control and improve the efficiency of the entire cycle life of the power station.

### Parameters:

Model	T-JZ-Y3727	T-JZ-Y4260
<b>Energy Storage System Parameters</b>		
Battery Type	Li-ion (LFP)	Li-ion (LFP)



Standard Capacity	3.727MWh	4.260MWh
Rated Charging & Discharging Rate	0.5C	
Rated Voltage	1331.2V	
Working Voltage Range	1164.8V ~ 1497.6V	

### Battery System Configuration Parameters

Battery Cell	3.2V / 280Ah	
Battery Pack	166.4V	
Battery Cluster	1331.2V (8X1P52S)	
Battery System	3.727MWh (10 clusters in parallel)	4.260MWh (10 clusters in parallel)

### Standard Parameters

Recommended Working Temperature	15°C ~ 30°C
Storage Temperature	-20°C ~ 55°C
Cooling Type	Liquid cooling
Fire Protection System	Independent fire protection system, with Pack grade directional Perfluoro and equipped with sprinkler water for fire protection
Installation Method	Prefabricated cabin installation
Communication Method	Modbus, CAN, RS485
Protection Level	IP54 for housing, IP67 for battery Pack
Dimension (WxDxH)	6054x2438x2896mm



Net Weight

34.6t

36.6t

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