



Powermax

Utility-Scale ESS

 **Modular Design**
Multiple units can be easily combined to deliver the power and capacity required for your business

 **Fast Deployment**
The containers can be deployed fast, easy for transportation & installation that will lower infrastructure construction cost and shorten construction time

 **High Safety**
All-round and multi-level battery protection strategies and trouble-shooting measures are in place

 **Flexible Configuration**
The container can be paired with PV, wind power, grid, etc. It is a large-scale, multi-purpose intelligent battery storage station

 **Warranty**
The series of products are all insured by PICC

Large, Giant Enormous Energy Beyond Your Imagination

Powermax is an integrated storage system developed to meet the needs of large-scale C&I storage market. It has integrated battery cabinets, BMS, monitoring system, specific fire suppression system, HVAC, PCS and EMS. Powermax is applicable to supporting at power generation side, large industrial parks, islands, schools, scientific research institutions, large data centers, etc.

POWERMAX

Powermax-M2752

Liquid-Cooling Containerized ESS

Powermax-M2752, a liquid-cooling containerized energy storage system, is purposely tailored to serve the needs of large-scale C&I energy storage markets. Powermax-M2752 is composed of battery enclosure, liquid-cooling system, fire suppression system, battery management system and local controls. The high energy density at module level, preeminent liquid-cooling technology, flexible configuration, low maintenance costs, make Powermax-M2752 a real giant power unit for big tasks such as wind and solar power stations, islands, campus, research institutes, factories and energy-hungry premises.

Modular Design High Integration

Precise Temperature Control

Limit temperature difference among cells within 2°C
Increase lifespan by 25% compared to ESS with air-cooling system
Save energy consumption by 40%+

High-Efficient O&M

Ship ready to install with factory-integrated parts to lower installation cost
Standard modular design, easy for battery replacement and capacity expansion 24/7 online monitoring, reducing manual inspection

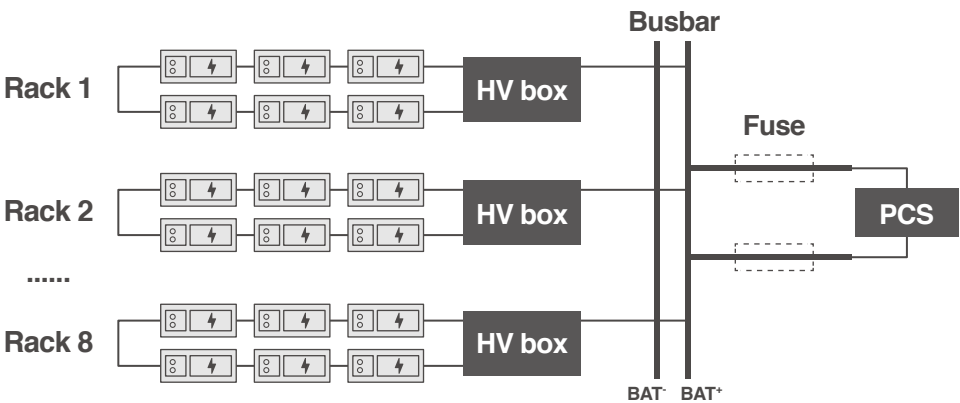
Safe and Reliable

LFP 280Ah cell
IP55 rating, waterproof and dust-proof
Multi-level emergency fire response procedures, avoiding thermal runaway and propagation

Fast Deployment

Turn-key design, reducing EPC field workload
Back-to-back design, reducing land area by 20%
Short construction period, saving construction cost by 20%

Circuit Block Diagram



Specifications

Working Condition	0.25P	Working Condition	0.5P	Series & Parallel Configuration	8*1P384S
ESS' Max. Power	625kW	ESS' Max. Power	1280kW	Number of Battery Packs	48
ESS' Rated Energy	2752kWh	ESS' Rated Energy	2752kWh	Rated Capacity	2240Ah
ESS' Usable Energy	2600kWh	ESS' Usable Energy	2560kWh	System's Nominal Voltage	1228.8V
Max. Short Circuit Current	65kA	Max. Short Circuit Current	70kA	Protection Rating	IP55/NEMA 3R
Charge & Discharge Rating	0.25P/0.25P	Charge & Discharge Rating	0.5P/0.5P	Dimensions(W*D*H)	9250*1750*2630mm

Powermax-M3655

Containerized ESS Solutions



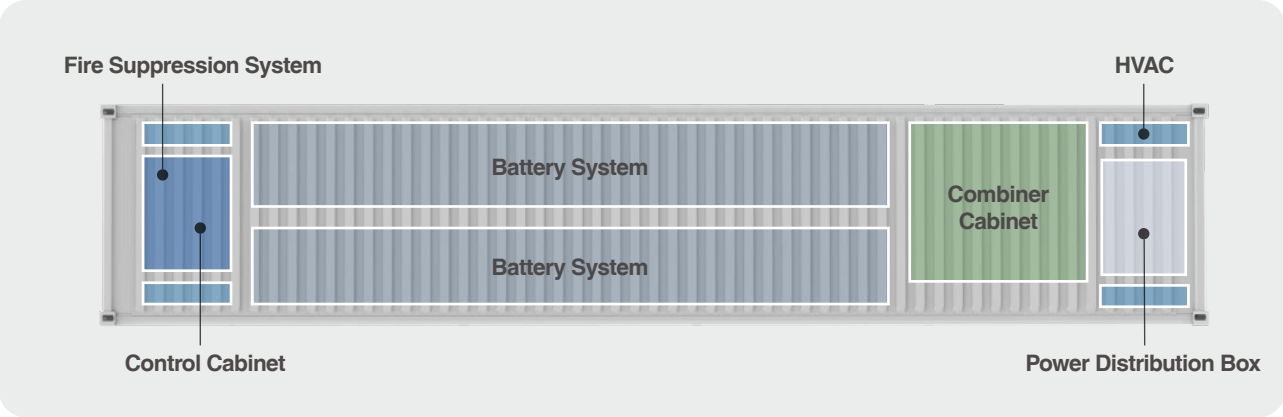
3655kWh



304.64kWh

Specifications

System	Module	System	Battery Cluster	System	Battery container
Configuration	1P20S	Configuration	1P340S	Configuration	12 battery cluster + combiner + control
Rated Voltage	64V	Rated Voltage	1088V	Rated Voltage	1088V
Rated Capacity	280Ah	Rated Capacity	280Ah	Rated Capacity	3360Ah
Rated Energy	17.92kWh	Rated Energy	304.64kWh	Rated Energy	3655kWh
Voltage Range	56~72V	Voltage Range	952~1224V	Voltage Range	952~1224V
Protection Rating	IP20	Protection Rating	IP20	Protection Rating	IP54 / NEMA3R
Weight	140kg	Weight	2700kg	Weight	42t
Dimensions(W*D*H)	516*950*234mm	Dimensions(W*D*H)	1200*1039*2300mm	Dimensions(W*D*H)	12192*2438*2896mm
Cycle Life	≥6000 cycles	Cycle Life	≥6000 cycles	Cycle Life	≥6000 cycles



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