

# eMPack 372B

## 186~372kWh Liquid-Cooled DC Block

**High Security:** Utilizes high-safety lithium iron phosphate batteries, with partition safety isolation, built-in module-level and system-level fire protection, and an active safety early warning system to ensure reliable operation.

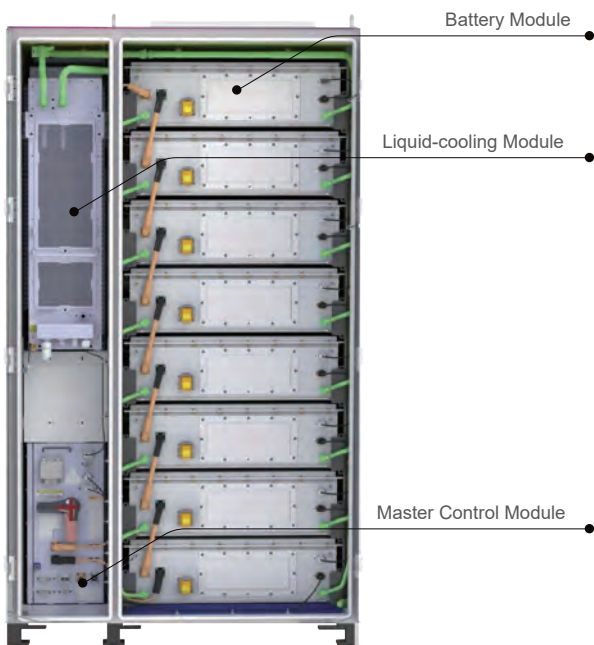
**Efficient BMS Technology:** Features high-efficiency equalization technology and low power consumption BMS sampling chips, reducing module inconsistencies and eliminating series loss for optimal performance.

**Long Life Cycle & Thermal Management:** Offers over 8000 cycle times with a lifespan exceeding 15 years, supported by laser welding and a high-efficiency liquid cooling and heating system maintaining cell temperature consistency.

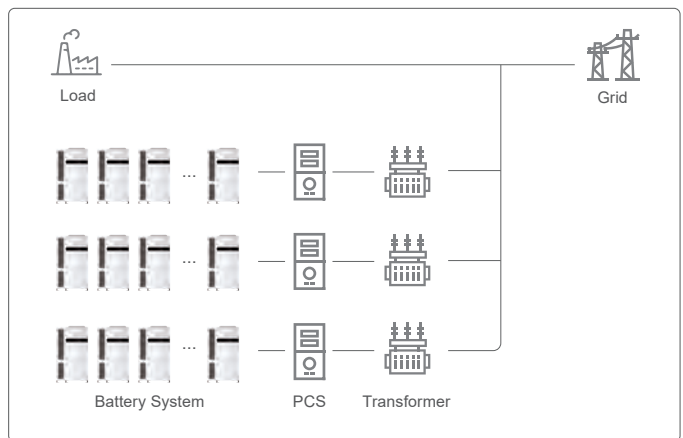
**Easy Installation & Maintenance:** Standardized design for simplified installation and user deployment, with a fully modular setup for convenient operation and maintenance, both locally and via cloud systems.



### System Demonstration



### System Layout



### Application Scenarios



Battery Energy Storage	186kWh	233kWh	280kWh	326kWh	372kWh
Single Cell Type	LFP 3.2V/280AH				
Module Combination System	1P52S				
Combination Capacity (kWh)	4 modules	5 modules	6 modules	7 modules	8 modules
Nominal Voltage (Vdc) Voltage	186.39	232.96	279.55	326.14	372.7
Range (Vdc)* Charge/Discharge	665.6	832	998.4	1164.8	1331.2
Current Discharge Depth	582.4~748.8	728~936	873.6~1123.2	1019.2~1310.4	1164.8~1497.6
Service Life	0.5C				
Thermal Management Mode	100% DoD				
Thermal runaway management	>8000 cycles@80%DoD				
	Liquid cooling technology				
	Aerosol Extinguishing or PFH				
	*For Cell 2.8~3.6V				


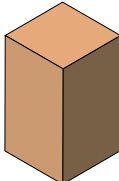
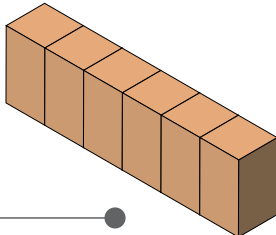
### System Characteristic

Communication Interface	CAN
Warranty	10 year with optional 15 year
Certifications(Cell)	UN38.3, IEC62619
Certifications(System)	IEC62477-1, IEC 62619, UL1973, UL9540A, IEC61000-6-4

### General Parameters

Dimensions (W*D*H) Total	1300*1300*2316mm / 51x51x91in				
Weight Operation Altitude	2000kg/4409lb	2330kg/5137lb	2660kg/5864lb	2990kg/6592lb	3500kg/7716lb
Noise Level @1m	2000m / 6561ft				
IP Rating	<75 dB(A)				
Operating Temperature	IP54				
Operating Humidity (RH)	-30°C ~ 55°C				
Storage Conditions	0 ~ 95%				
	-20°C ~ 30°C, Up to 95% RH, non-condensing, State of Energy (SoE): 50% initial				

### ■ Packaging & Shipping Details

		
<p>Unit 1300*1300*2316mm 52x52x90in 3500kg/7720lbs</p>	<p>Packaged Unit 1450*1450*2750mm 57x 57x108in 3700kg/8150lbs</p>	<p>OTR Trucking 6 Systems 22,000kg/48,500lbs</p>