

PYLONTECH

Liberating Your Energy Sustainably



About

PYLONTECH

A Dedicated BESS Provider

Pylontech is a dedicated BESS (battery energy storage system) provider, consolidating expertise in electrochemistry, power electronics, and system integration to deliver reliable BESS solutions globally. With its continuous and rapid growth, it has become a leading supplier of lithium battery energy storage systems worldwide.

Pylontech ESG

Focusing on long-term value building

Highlights in Key ESG Performance in 2022

- ▶ **86 new patents** obtained and **R&D innovations** in Battery Cycle life, temperature control, density, new material, etc.
- ▶ **11% Carbon Emission Reduced** through a range of measures (**Solar PV plants / EV trucks / Production process optimization, etc.**)
- ▶ Package **de-plasticization** and **100% production solid waste recycled**



Milestone

2009
Founded

2013
Bess Solutions
Deployment

2014
Mass Production
for EU&AU

2015
Domestic Grid--
Scale BESS
Deployment

2018
1GWH BESS
Shipped Globally

2019
1.5GW New
Capacity Built

2020
Listed on SSE
STAR Market

2021
Top 2 Residential
Supplier Globally

2022
Added to
MSCI Index

**1Million+ BESS
Systems shipped**

**Ranked Top 1
Residential BESS
Supplier globally**

2023
Announced
First Europe
Manufacturer
Base



Pylontech Overview

Manufacturing and R&D Center

13.5 GWh

Production Capacity Only for ESS

6.35%

R&D Investment

238+

Patents obtained

Global Service Center

UK
Germany
Italy
Spain
Czech Republic
Belgium

North America
South America
Mexico
South Africa
Australia
.....

South America

Headquarter & Global Branches

Headquarter:
China

Branches:
Netherlands
Germany
Spain

UK
USA
Italy

Australia (IP)
Japan (IP)

**Headquarter
R&D Center**
Shanghai, China

Japan
In Progress

**Europe
Service Center**

UK
Italy
Spain
Germany
Czech Republic
Belgium

Module
Italy

**Europe
Branches**
Netherlands
Germany
Spain
UK
Italy

Module
Hubei

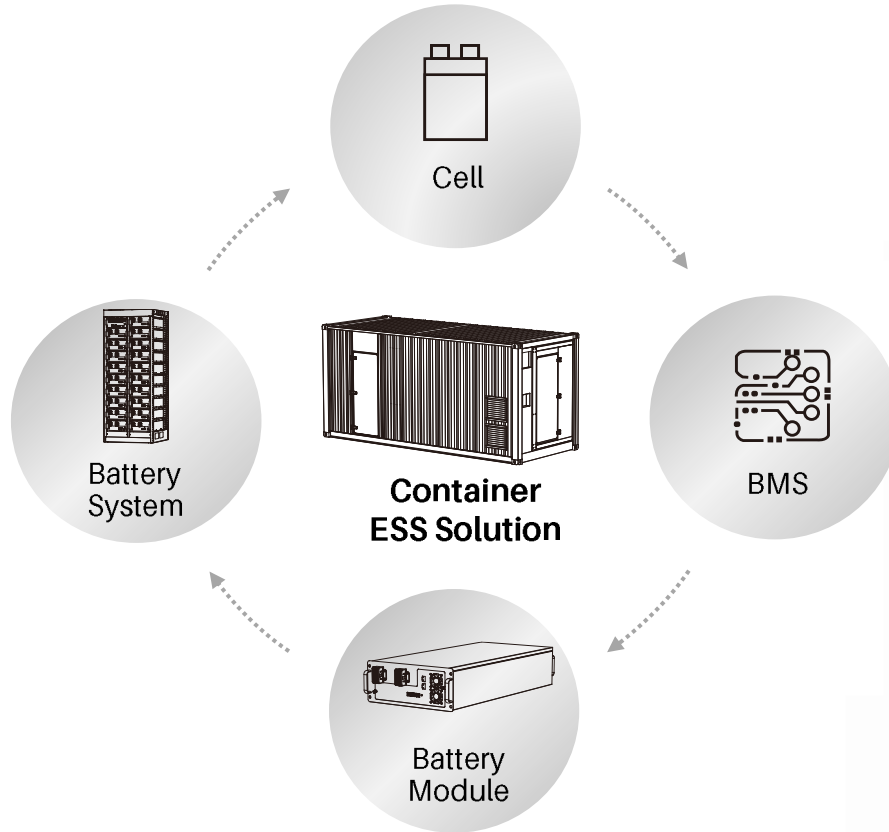
Module / Container
Kunshan

Cell R&D center
Cells / Module
Yangzhou

ESS R&D Center
Cells / Module
Anhui

South Africa

Australia
In Progress
Australia



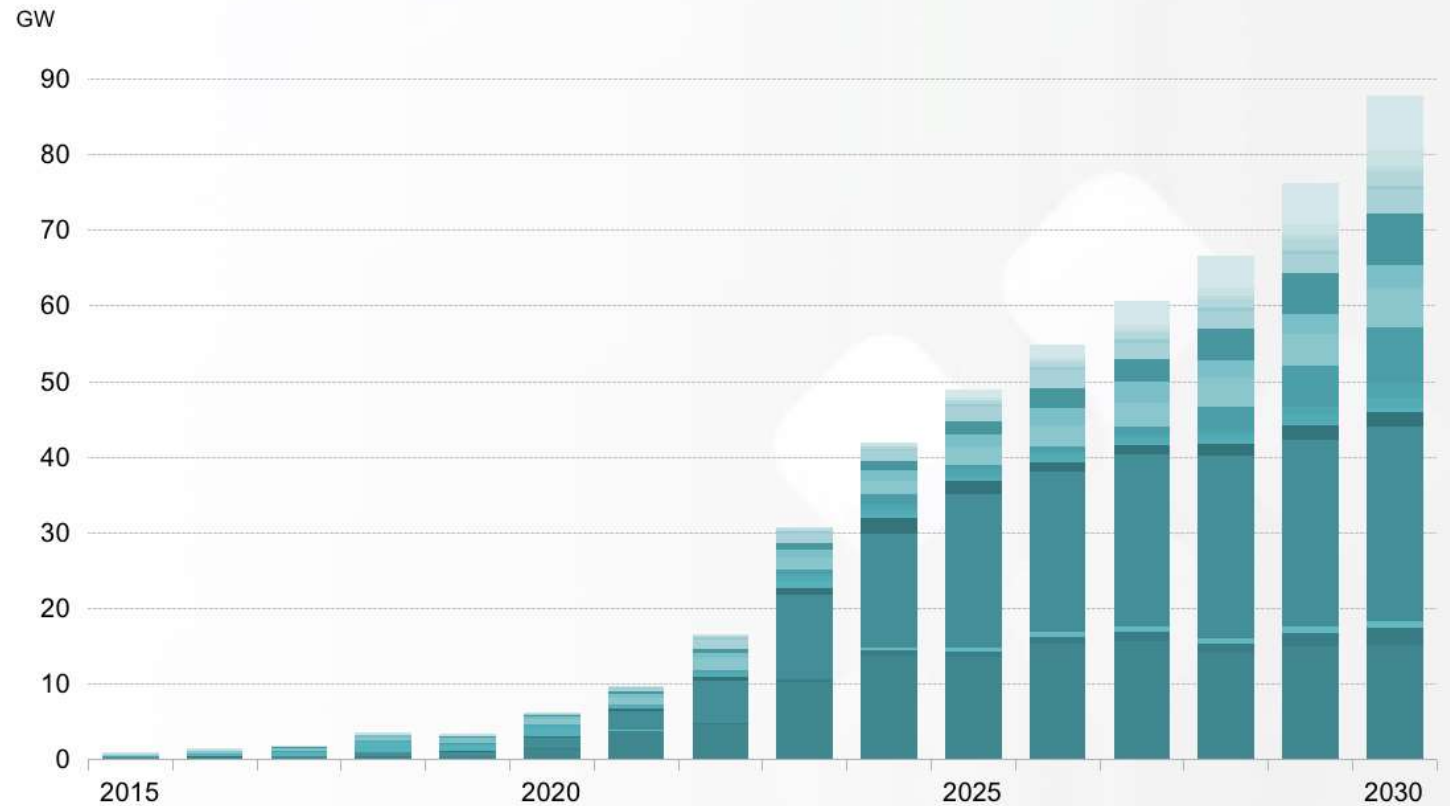
Vertical Integration Layout

- Delicated on energy storage with continual development
- 10+ years of ESS technology proven and accumulation
- Powerful self-developed cells, modules & BMS
- Super controllability on Safety & Quality
- Extraordinary Performance
- Safe and Reliable Supply

Market Growth

Rapid Growth in Global Gross Energy Storage Capacity

By 2030, the global energy storage market size will expand more than four times compared to 2022.

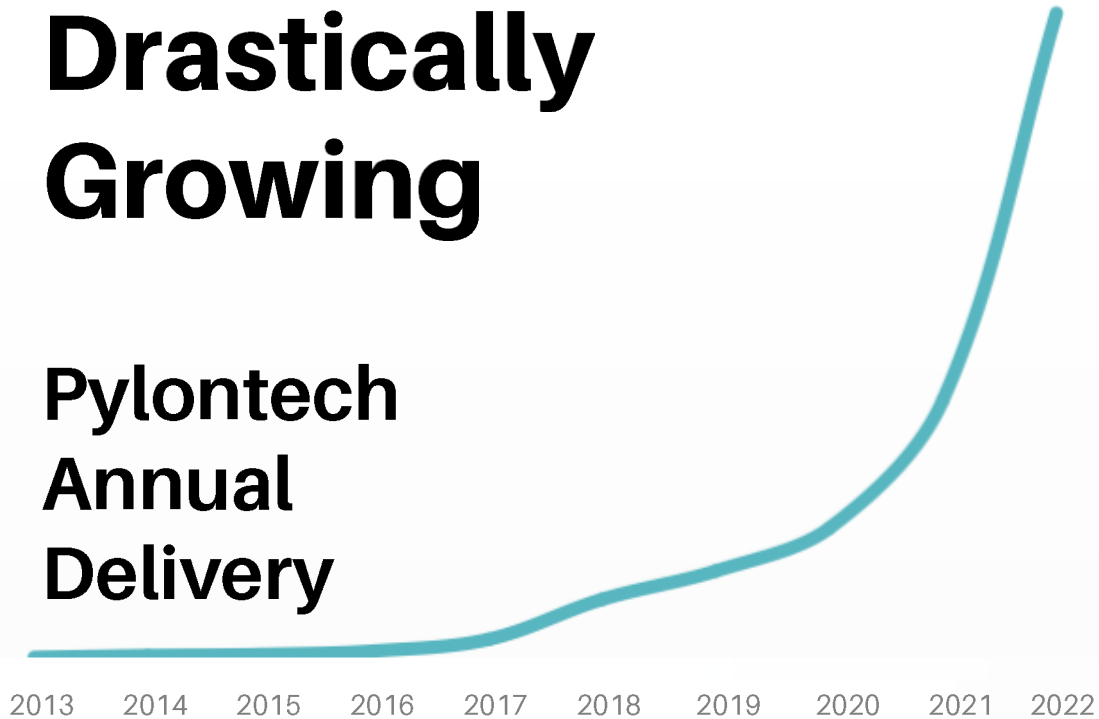


Data Source: BloombergNEF.

Market Growth

Steadily and Drastically Growing

Pylontech Annual Delivery



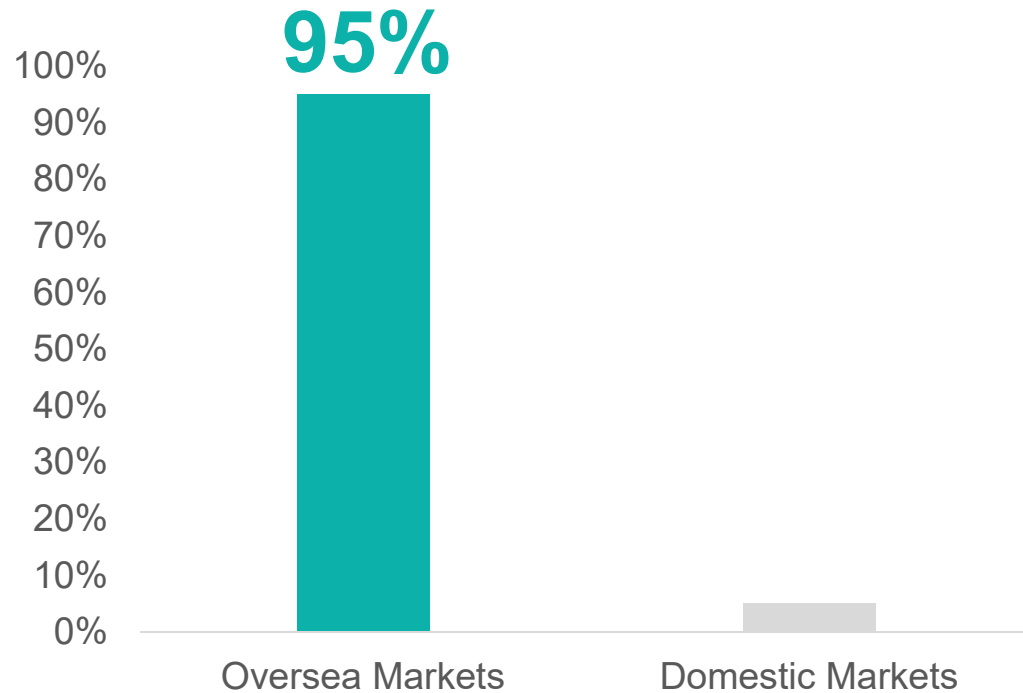
Data Source: Pylontech financial statement



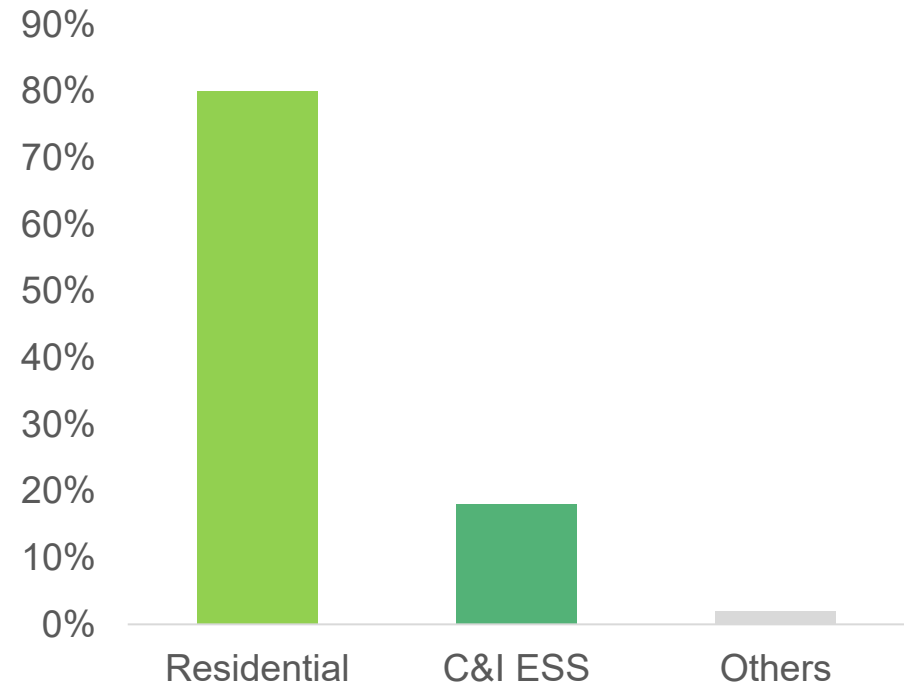
Data Source: S&P Global Commodity Insights

Business Structure

Sales Volume in Market



Applications in Market





Market Growth



Europe

North America

Asia

1,000,000+

Residential ESS Globally Served

Africa

80+ countries

Global Deliveries

Pacific

Latin America

Our Achievements

MSCI

Index Company

1st

ESS-focused company
listed on SSE STAR market
(Stock No.688063)

Top 50

Forbes China Most
Innovative Companies

No.1

Global Residential
ESS supplier ranked
by IHS Research

Data source:

<https://www.msci.com/our-solutions/indexes>

<https://www.forbeschina.com/innovation/61521>

Strong R&D Capabilities



6.35%

R&D
Investment



238+

Independently-
Developed Patents



10+

Years ESS Technical
Proven and accumulation

Top R&D Platform Qualified

- LFP Engineering and Technology R&D institute
- Postdoctor Innovation Center

Significant Investment In R&D

- Advanced testing and analyze equipment
- Comprehensive scientific research system

UL 1642, UL1973 Witness Testing Lab

- Over 4000 m²
- Large testing current range from 10mA to 1000A
- Testing voltage from 0V to 750V
- 3000+ test channels



High Compatibility



 solis




victron energy



















Scan to Check Full Compatible List

Products

Low Voltage



12V

Back Up

Amber Rock /Mini Amber

473Wh
Camping/Caravan

RV/PY12100

1.2kWh
Caravan/truck/Marine etc.



24V

Residential BESS

UP Series

2.8kWh
Lead acid battery replacement
Light RESS



48V

Residential BESS

US Series

2.4, 3.5, 4.8kWh / 19" rack mount

Force-L Series

3.5kWh / IP55 / stackable mount

Pelio

5.1kWh / IP65 / stand-alone



48V

Telecom

BP Series

2.4, 4.8kWh / 19" rack mount

Certifications

☑ IEC62619

☑ IEC63056

☑ CE

☑ VDE2510-50

☑ UL1973

☑ UL9540A

☑ UKCA

☑ JET/JIS

Products

High Voltage



400V

Residential BESS

Force-H Series

3.5kWh / IP55 / Stackable mount

Powercube-X Series

2.4, 3.5kWh / 19" rack mount



1000V

Light Commercial

Powercube-H series

2.4, 3.5kWh / 19" rack mount
Light Commercial

Powercube M1C / M2

108kWh/rack
Up to 32 racks per system
Up to 1C-rate for daily cycle application



1500V

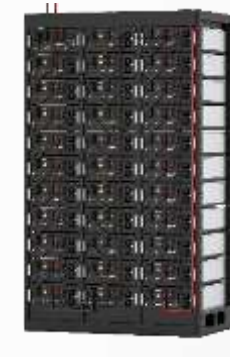
C&I ESS

Optim US

60~240kW / 100~400kWh
All-in-one ESS solution
PCS, BESS, EMS, HVAC, FSS pre-mount

LiPower-U100-400

5.7kWh / 19" rack mount
3.6C discharge
Data Center



Powercube-M3 series

182kWh/rack
Up to 32 racks per system
0.5C ~ 1C continuous operation



1000~1500V

Grid Storage

Powercube-20H/40H

Up to 3.3MWH per container Utility ESS

Certifications

☑ IEC62619

☑ IEC63056

☑ CE

☑ VDE2510-50

☑ UL1973

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Reliability is Proven

1,000,000+ ESS delivered globally from 2013



Reliability is Proven

1,000,000+ ESS delivered globally from 2013



Peak Shaving

Location: Mexico

Capacity: 5MW/10MWh

Date: 2023



Micro-Grid

Location: Europe

Capacity: 1MW/1.5MWh

Date: 2021



Grid-Tied Stand Alone

Location: America

Capacity: 1MW/2MWh

Date: 2019



Self-Consumption

Location: Asia

Capacity: 3.2MW/7MWh

Date: 2022



Self-Consumption

Location: Asia

Capacity: 1MW/2MWh

Date: 2020



Grid-Tied Stand Alone

Location: Europe

Capacity: 1MW/2MWh

Date: 2022



Location: Europe

Capacity: 1MW/2MWh

Date: 2022



Off-Grid

Location: Asia

Capacity: 1.2MW/2.6MWh

Date: 2019



Micro-Grid

Location: Africa

Capacity: 0.5MW/1.5MWh

Date: 2019



Mission

Liberating Your
Energy Sustainably

Vision

To Energize Billions
With Smarter Power

The image features a solid teal background. In the lower portion, there is a faint, atmospheric landscape of rolling mountains. Overlaid on the left side of this landscape is a series of concentric, glowing circular lines that create a ripple effect, transitioning from a light blue to a darker teal. Centered in the upper half of the image is the text "Thank You" in a clean, white, sans-serif font.

Thank You