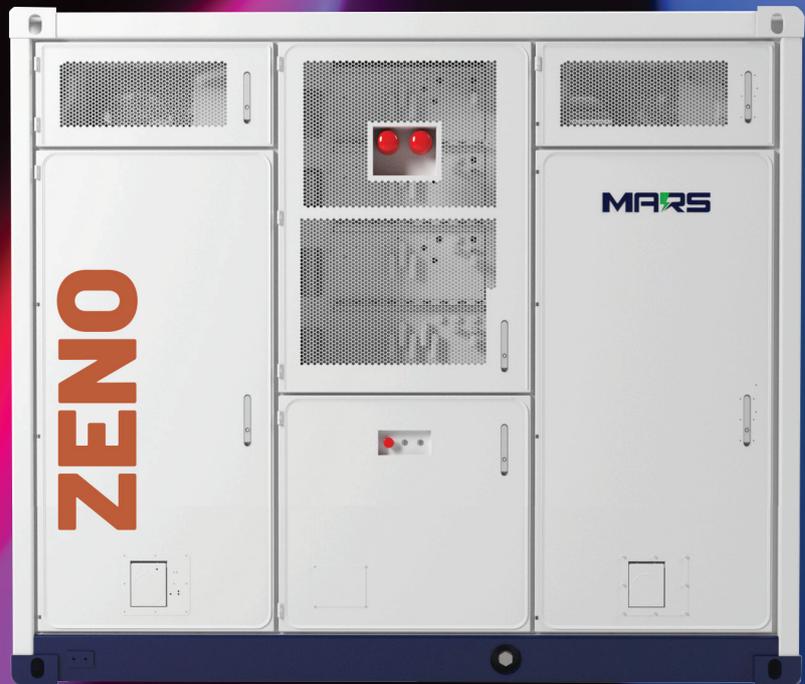


# Zeno

## Next-Gen C&I Energy Storage Cabinet

Coming Soon



Rated Energy (BOL)

**1045kWh**

Rated Output Power

**500kW**

Cell Type

**LFP 314Ah**

Nominal AC Voltage

**400Vac**

\*UL 9540A, CEI 0-21 certified



### Simple Optimized System Design

- Direct grid connection: 400V direct output, no transformer needed
- Highest power density: maximizes output in a small cabinet
- Minimal footprint: designed for compact sites and limited land availability



### Built for Safety: Armor 2.0 Multi-Level Safety Design

- IP55 cabinet protection,  $\leq 3\text{mm}$  structural deformation during transportation and installation
- Robust multi-layer fire and explosion protection, fully compliant with NFPA
- Redundancy safety design



### Design for Extreme Environment

- Stable operation between  $-30^{\circ}\text{C}$ ~ $55^{\circ}\text{C}$
- IP55/Max.C5 ensures high adaptation to harsh environment

#### Note

All products are intended for delivery within Europe. The information contained in this document is subject to change without notice and may be incomplete or outdated. MARS Renewable reserves the right to revise specifications and other details without prior notification. For the latest updates, please consult MARS Renewable directly.  
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### SYSTEM SPECIFICATION

Rated Energy (BOL)	1045kWh
Rated Output Power	500kW
Cell Charge/Discharge Rate	0.5C
System Configuration	4P260S

### BATTERY SPECIFICATION

Cell Type	LFP314
Operating Voltage Range	832V
Operating Voltage Range	728~936V
Max. DoD	0~100% (Recommended 90%)
Pack Configuration	1P52S
Rack Configuration	1P260S
Rated Charge/Discharge Current per Rack	157A/157A

### PCS SPECIFICATION

Nominal AC Power	125kVA
Nominal AC Voltage	400Vac
Operating DC Voltage Range	650V - 1000 V
AC Voltage Range	-15%Vnom~10%Vnom
Nominal Frequency	50 Hz/60Hz
Maximum Efficiency	99 %
Harmonic (THDi)	< 3 % (at nominal power)
Power Factor	> 0.99 / 1 leading - 1 lagging

### GENERAL SPECIFICATION

Dimensions (L*W*H)	2991mm*2438mm*2591mm
Weight	12 Ton
Cooling Method	Liquid Cooling
IP Grade	IP55 (Battery Room) / IP54 (Other Rooms)
Altitude	>2000m derating
Noise	<70dB (1m Away from Equipment)
Operating Temperature Range	-30 °C - +55 °C
Fire Suppression System	Water Pipe, Deflagration Vent, Hydrogen and Smoke Sensor, Gas Exhaust, FACP, Alarm
Certification	IEC 62619, IEC 62477, IEC 63056, IEC 61000, UL 1973, UL 9540A, EN 50549, UL 9540A, CEI 0-21, UN 38.3, UN3536