Zeno AC400 10ft

500kW/1,045MWh

All-in-One Modular BESS for Grid Applications



SOLUTION AND PRODUCT FEATURES

Comprehensive Safety

- Multi-Level Protection
- LFP with High Level Stability and Liability
- Fire-resistant/Explosion-proof/pressure Relief Design

Superior Flexibility

- Multi-Scenarios Application
- Modular and Scalable Design
- One Rack with One PCS, Flexibel Configuration

Intelligent and Efficient

- High Efficiency AC/DC Power Conversion System
- Smart Charge/Discharge, Reduce Peak Load
- Excellent Overall Performance

Environmentally Friendly

- Wide-body Device Customization
- IP55/C5 High-level Protection
- Environmentally Friendly Design, Nature-friendly and Pollution-free

SYSTEM CONFIGURATION					
Model	MU02-E1045P0500A1-G0	MU02-E0783P0375A1-G0	MU02-E0522P0250A1-G0	MU02-E1045P0250A1-G0	MU02-E1045P0125A1-G0
Rated Energy (BOL)	1045kWh	783kWh	522kWh	1045kWh	1045kWh
Rated Output Power	500kW	375kW	250kW	250kW	125kW

BATTERY SPECIFICATION	
Cell Type	LFP314
Cell Charge/Discharge Rate	0.5C
Battery Rated Voltage	832V
Battery Operating Voltage Range	728-949V
System Efficiency	90.5%
Max. DoD	0~100% (Recommended 90%)
Pack Configuration	1P52S
Rack Configuration	1P260S
Max. Charge/Discharge Power per Rack	130kW/130kW
Rated Charge/Discharge Current per Rack	157A/157A

PCS SPECIFICATION	
Maximum DC Voltage	1000 V
Operating DC Voltage Range	650V - 1000 V
Nominal AC Power	125kVA
Nominal AC Voltage	400Vac
AC Voltage Range	-15%Vnom~10%Vnom
Max. Output Current	198.5A
Nominal Frequency	50 Hz/60Hz
Maximum Efficiency	98.6 %
Harmonic (THDi)	< 3 % (at nominal power)
Power Factor	> 0.99 / 1 leading - 1 lagging

Contact: sales@marsrenewable.com
Edition: VEN2.7

*All illustrations and data may differ from standard product, Subject to change without notice.

GENERAL SPECIFICATION	
Dimensions (L*W*H)	2991mm*2438mm*2591mm
Weight	12.2 Ton
Cooling Method	Liquid Cooling
BMS Communication	Ethernet
IP Grade	IP55 (Battery Room) / IP54 (Other Rooms)
Anti-Corrosion Grade	C4 (C5 ooptional)
Altitude	>2000m derating
Noise	<70dB (1m Away from Equipment)
Operating Temperature Range	-25℃ - +55 ℃
Aux. Power Consumption	15kVA
Aux. Power Supply	Self-Powered
Fire Suppression System	Water Pipe, Top Deflagration Vent, Smoke Detector, Thermal Detector, Combustible Gas Detector, Gas Exhaust Fan, FACP, Alarm, Aerosol (optional)
Compliance	IEC 62619, IEC 62477, IEC 63056, IEC 61000, UL1973, UL9540A, EN50549, CEI 0-21
UN Transportation Test Standard	UN 38.3, UN3536

Contact: sales@marsrenewable.com
Edition: VEN2.7

*All illustrations and data may differ from standard product, Subject to change without notice.