

ATLAS SERIES

EOH 1.1

The next generation of our proven LFP platform.

DNV certified LFP technology for safe, reliable and cost efficient maritime energy storage.



DNV CERTIFIED
Type approved according to DNV requirements.



LFP CHEMISTRY
High safety, thermal stability and long service life.



RACK-FREE STACKABLE DESIGN
Flexible integration without a conventional rack



ON-BOARD MAINTAINABLE
Modules exchangeable by trained professionals



WIDE TEMPERATURE OPERATION
-20°C to +50°C



FIRE SAFETY INTEGRATED
Aerosol fire extinguisher



ELECTRICAL PERFORMANCE

Cell Technology	LFP
Nominal Voltage	128 V
Voltage Range	100 - 146 V
Nominal Energy	29.4 kWh
Gross Energy	33.6 kWh
Gravimetric Energy Density	124.4 Wh/kg gross basis
Volumetric Energy Density	167.8 Wh/l gross basis
Continuous Charge C-rate	0.7 C
Continuous Discharge C-rate	0.7 C



PHYSICAL CHARACTERISTICS

Weight	270 kg
Dimensions (W x D x H)	650 x 1120 x 275 mm
Volume	200.2 l
Protection Class	IP67



OPERATIONAL INTEGRATION

Design	Rack-free plug-&-stack
Configuration	1 to 6 modules in series
Cooling	Natural cooling
Mounting	Horizontal or vertical



MARITIME COMPLIANCE

DNV Approval	DN
Ingress Protection	IP67
Fire Suppression	Aerosol systems
Operating Temperature	-20°C to +50°C
Documented Standards	DNV Rules, ES-TRIN, IEC 62619, IEC 62620, UN 38.3, DNV CG-0339



CONFIGURATION EXAMPLES

Modules in Series	Nominal Voltage	Nominal Energy	Gross Energy
1	128 V	29.4 kWh	33.6 kWh
2	256 V	58.9 kWh	67.2 kWh
3	384 V	88.3 kWh	100.8 kWh
4	512 V	117.8 kWh	134.4 kWh
5	640 V	147.2 kWh	168.0 kWh
6	768 V	176.6 kWh	201.6 kWh



PROVEN LFP. BUILT TO LAST.

EOH 1.1 combines proven LFP chemistry with a robust, modular architecture for safe and reliable maritime energy storage.



BUILT FOR HARSH
MARINE CONDITIONS



COST
EFFECTIVE



FAST
COMMISSIONING



DNV AND RINA
CERTIFICATION



TESVOLT OCEAN GmbH
Travemünder Allee 17A
23568 Lübeck | Germany



info@tesvolt-ocean.com



www.tesvolt-ocean.com