



NESS

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Li-ion SAFE

Smart, Advanced, Flexible, Efficient



Ness | Smart Energy, Smart Life

TECHNOLOGY SUPREMACY IN A TURNKEY LITHIUM ION ENERGY PACKAGE

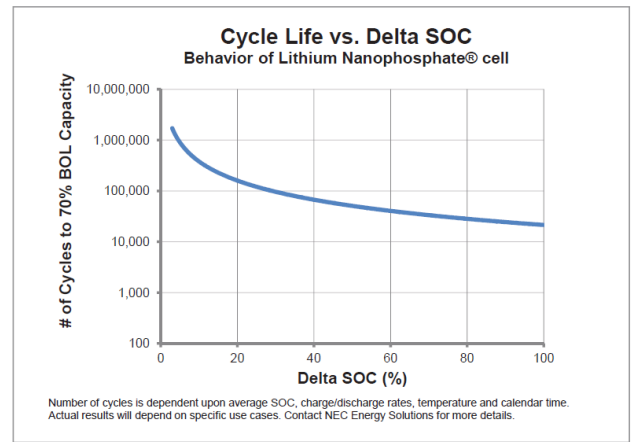
Configurable Battery Voltage	24/48 V
Configurable Battery Capacity	70-350 Ah
Configurable Charging Current	35-150 A



SAFE Lithium Ion Energy Package integrates ALM® NEC batteries and CalBatt® Dynamo charging systems

PREMIUM BATTERY TECHNOLOGY

- ✓ **Fast, simple** charging
- ✓ **High rate** power delivery
- ✓ **Exceptional** 100% deep discharge cycle life
- ✓ Safe, proven, high-performance **Nanophosphate®** LiFePO4 chemistry
- ✓ **BMS** with integrated, redundant safety protection circuits



PREMIUM CHARGING TECHNOLOGY

- ✓ **Patented** CalBatt technology for maximum efficiency
- ✓ **Modulable** charging power according to everyday needs
- ✓ **Smart charge** software platform for intelligent fleet management
- ✓ **Remote control** capability for monitoring and VxG operations



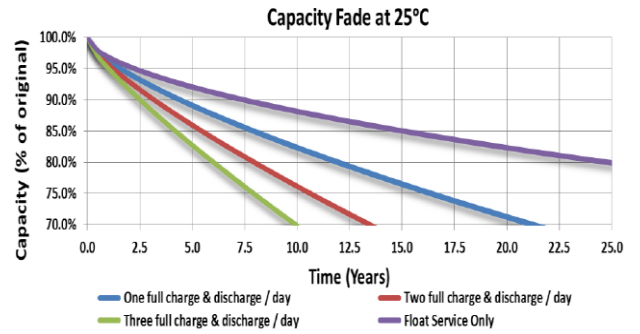
PREMIUM CUSTOMER CARE

- ✓ **Experienced** staff
- ✓ **Tailor-made** energy solutions
- ✓ **Energy efficiency** services
- ✓ **Timely** technical assistance



LONG-LIFE

- ✓ **Superior** float, calendar, and shelf life
- ✓ **Strong** performance and long life across temperature
- ✓ **Exceptional** TCO



SMART ENERGY MANAGEMENT

- ✓ **Perfect** load control
- ✓ **Predictive** maintenance
- ✓ **VxG** operations



TURNKEY ENERGY EFFICIENCY

- ✓ **Energy** audits
- ✓ **Efficiency** programs
- ✓ **ESCo** services



Example of standard SAFE 24-140 energy package for intralogistics



Nominal Battery Voltage	26,4 V	
Battery Capacity	140 Ah	
Available Energy (BOL)	3,7 kWh	
Charge current (selectable)	70/140 A	
Charge time (selectable)	1h @140 A	2h @70 A
Operating Temperature	-40 to +60 °C	



NESS is an innovative ESCo certified UNI 11352 which develops advanced custom energy storage solutions for stationary and traction sectors.

Thanks to its know-how and being partner of many leader company in the field from many years, NESS is able to offer turnkey energy efficiency interventions following all the phases of diagnosis, design, and implementation for maximum energy saving.



ALM is the family of high-performance Lithium-Ion batteries developed by **NEC Energy Solutions**, the most experienced group of energy storage experts in the industry with more than 900 MW of batteries installed worldwide.

NEC Energy Solutions is constantly focused on creating efficient and safe storage solutions to meet perfectly customer needs.



Dynamo is the smart charging system developed by **CalBatt**, the innovative technology company designing intelligent solutions for efficient battery management.

Thanks to its pioneering patented technology for optimal battery charging, CalBatt solutions have been internationally awarded and approved by key industrial players.

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