



# Long-lasting and highly efficient energy storage

## Containerized energy storage

### Trina Mobile

ES Integrations is proud to be the exclusive distributor of this energy storage solution by Trina.

The battery is housed within a 10-foot container unit, assembled using a collection of Li-ion battery cells. This innovative design ensures optimal performance and durability.

With an exceptional energy density, this battery solution offers an impressive 466 kWh capacity within a single container.

Its high capacity and compact design make it an ideal choice for a wide range of applications, providing reliable and efficient energy storage solutions for various industries and purposes.

### Store renewable energy at a low footprint

Renewable energy producing technologies are dependent on external factors like the weather.

Today this challenge is resolved thanks to this energy storage solution.

### Mobile energy storage

Provide energy for temporary consumers such as events and construction sites.

Support off-grid locations such as telecommunication towers or monitoring stations. The batteries can be placed in parallel to

configure the exact capacity needed for the application.

### Extra-long lifetime

This battery ensures 30% more cycles compared to the average lithium battery.

Thanks to its unique water-cooling technology, the battery always remains perfectly climatized, significantly reducing degradation of the lithium cells.

### Balancing and participating to the grid

Assist in grid stabilization by regulating frequency. The battery can act as a tool to mitigate energy

consumption peaks or deficits.

Additionally, it can store energy during periods of low demand and sell it during economically advantageous moments.

### Sustainable and safe solution

Avoid energy blackouts and enhance the reliability of energy supply.

Reduce CO2 emissions by utilizing renewable energy sources and store excess energy to prevent wastage.

## Electric performance

Nominal output power	250 KVA
Capacity	466 kWh
C-rate	0,5
Cell chemistry	LFP
Depth of discharge (DoD)	95%
AC to DC RTE	Up to 98,5%
Input voltage (AC)	400Vac

## Physical parameters

Nominal life cycle	7000 cycles
Dimensions (LxWxH)	3,5x2,7x2,9m
Total mass	8000kg
Protection level	IP54
Noise level	< 75 dB(A)
Thermal management	Water cooled
Communication and interfacing	Ethernet, RS485, DI, DO, CAN