

Transportable Energy

Power available anywhere, anytime

- No diesel fumes
- No noise
- Fast power drawdown
- No fire or explosion risk
- No gas emissions
- No cooling required
- No carbon generated in operation
- Rapid easy charging from any external power supply
- No maintenance required
- Very low total cost of ownership
- Wide Temperature operating environments (-20°C to +60°C)
- Shelf life (> 20 years)
- Compact size

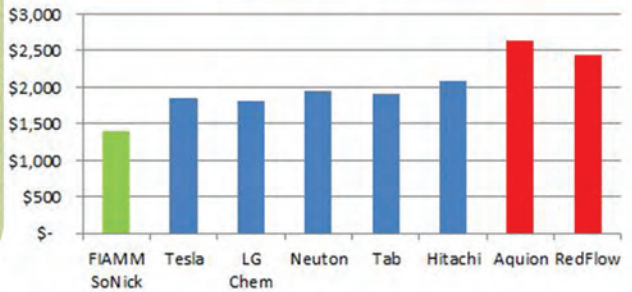


At GridEdge we are truly passionate about what we do.

We are a company of engineers and business people driven to deliver both off grid and on grid energy supply to all levels of consumer demand, all with an aim of being the best and most trusted renewable energy system company in the business.



Total Battery Cost per year over life expectancy



FIAMM SoNick Inside,

Sodium Nickel Chloride Batteries:

- High capacity (though smaller and lighter than Traditional batteries)
- Reliable at high temperatures (no cooling needed)
- Long life (reliability guaranteed for many years)
- No maintenance
- No dangerous materials



At GridEdge we are committed to addressing the environmental impacts of today.

Our mission is to improve the environmental quality of our community by partnering with businesses and community leaders to work together to create a clean and safe place to live and work for future generations.



At GridEdge we spent a lot of effort in finding technologies that have been tested and proven to be safe and won't cause any environmental problems for today or for tomorrow.

GridEdge has now secured the Australian wide distributor rights to a proven storage technology that meets all its criteria.

- A battery that is not only 100% recyclable, but also has a recycle program in place.
- A battery that is safe enough that you could store it under the dining room table of your home.
- A battery that can handle a large operating range and can operate even under extreme conditions.
- And also, as importantly, a battery that doesn't use any of our precious metal resources.

Most batteries achieve optimum service life if used at 20°C (68°F) or slightly below. If, for example, a battery operates at 30°C (86°F) instead of a more moderate lower room temperature, the cycle life is reduced by 20 percent. At 40°C (104°F), the loss jumps to a whopping 40 percent, and if charged and discharged at 45°C (113°F), the cycle life is only half of what can be expected if used at 20°C (68°F)

At -20°C (-4°F) most batteries stop functioning. Although NiCd can go down to -40°C (-40°F), the permissible discharge is only 0.2C (5-hour rate), Specialty Li-ion can operate at a temperature, but only at a reduced discharge rate; charging at this temperature is out of question. With lead acid there is the danger of the electrolyte freezing, which can crack the enclosure. Lead acid freezes more easily with a low charge when the specific gravity of the electrolyte is more like water than when fully charged.



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GridEdge



The GridEdge transportable energy storage trailer is a smart energy storage solution that uses a rechargeable Sodium Nickel Chloride battery technology designed to store energy to replace the use of diesel generators at building sites, festivals or events.

The GridEdge transportable energy storage trailer range utilizes a smart, fully integrated safe, reliable Sodium Nickel Chloride battery storage system.

The modular design of the GridEdge transportable energy storage trailer allows it to be adapted easily to individual needs. It is available with various storage capacities and configurations, and it can be upgraded at a later date.

Transportable GE200

Storage capacity 9.6 kWh

Weight approx 625 Kg

Dimensions:

1.5 x 1.8 x 3.5m

Rated inverter power

5000VA

Output power 4.5kW Inverter Surge Power 9kW



Transportable GE400

Storage capacity 19.2 kWh

Weight approx 850 Kg

Dimensions:

1.5 x 1.8 x 3.5m

Rated inverter power

5000VA

Output power 4.5kW Inverter Surge Power 9kW



Maximum inverter efficiency	95%
Maximum battery efficiency	100%
Ambient temperature range	-20°C to +60°C
Dust & Water protection	IP43
Operation mode	Single Phase in line UPS Solar
Emergency power capability	Yes
Certifications	EN 60335-1, EN 60335-2-29
Battery service life	20 years
Battery warranty	5 years
System warranty	5 years
Monitoring (remote optional)	Front panel display, online, App
Battery recyclability at end of life	100% of all components

Transportable GE120

Storage capacity 5.7 kWh

Weight approx 600Kg

Rated inverter power 3000VA

Output power 2.5kW

Inverter Surge Power 5kW

Transportable GE600

Storage capacity 28.8 kWh

Weight approx 830Kg

Rated inverter power 8000VA

Output power 7kW

Inverter Surge Power 14kW

Transportable GE800

Storage capacity

38.4 kWh

Transportable GE1000

Storage capacity

48 kWh