

Aiming high but keeping costs low.

Solition Powerbooster is the optimal storage system for an essential range of applications. It boosts the efficiency of renewable energy, as well as support the growth of e-mobility and fast peak power shaving, to significantly reduce costs.

norwatt@norwatt.es

www.norwatt.es



Plug-and-play system
with factory pre-set
parameters.

Creating the future – the Exide Technologies way:



Innovation



Reliability



Sustainability



High Performance

GNB Industrial Power becomes
E / a division of Exide Technologies
www.exidegroup.com

SOLITION
POWERBOOSTER

E / **CUSTOMIZED
ENERGY
SYSTEMS™**

It's all about the greater good.

And small bills.

Thinking about the big picture and at the same time saving costs in every detail is not a contradiction but a solution. One that proves for how we want to deal with energy today and tomorrow. To serve progressively all relevant business areas with future-proof storage systems is a fact that is already setting a benchmark.

These systems are becoming increasingly important for a variety of commercial and industrial applications, agriculture, hotels and e-mobility. Leveraging the benefits of lithium-ion technology, our system offers outstanding efficiency and exceptional durability, while also providing the added advantage of seamless integration into existing energy infrastructures.

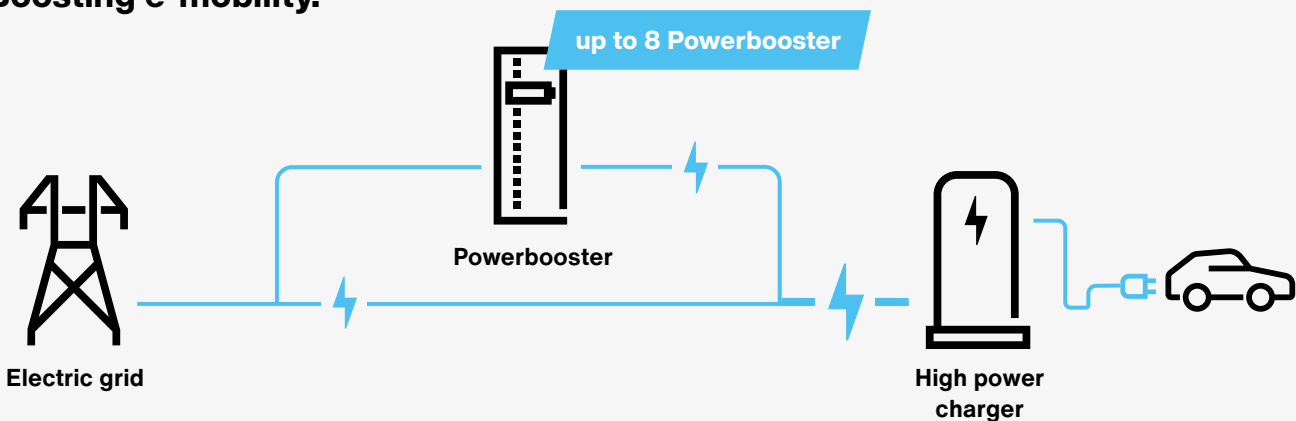
Tailormade for these applications:



Benefit from our expertise:

- Fast charging even with limited grid capacity
- In- and outdoor solution available
- Plug-and-Play with pre-set parameters
- Future-proof solution
- Compact design
- Modular and flexible – easy to expand

Boosting e-mobility.



A perfect match.

In 2021, global player Exide Technologies acquired Ateps Nederland BV, an innovative and dynamic provider of lithium-ion based energy storage systems. Combining innovation and global energy storage expertise, they created **Customized Energy Systems**, thereby offering sustainable energy solutions for future key applications such as time shift, frequency control, peak shaving, energy trading and more.

Pay and pay. Or Plug-and-Play.



Scan for
reference.

Solition Powerbooster facilitate the electric evolution. The modular system can be used to buffer power from the grid and therefore avoid peaks that would otherwise cause higher power costs. This battery system can also support the charging of electrical vehicles during high

demand periods with additional power and energy. In summary, it is about independence from the public grid to avoid any limitations. With a support that makes businesses easier, more variable and more efficient.

Solition Powerbooster helps you to optimize your costs:



Peak shaving:

Shave peaks when there are high loads (Machine start-up or EV-charging)



Peak-power supply:

Peak-power supply in combination with fuel-cell and diesel generators



Charge buffers:

Charge buffers for electric vehicle charging with PV-optimization



Optimization of grid power usage:

Avoid costs that exceed the contractual electricity limit



Cost optimization:

Reduce contracted grid costs



Indoor

The batteries, converters and all additional components are placed in a compact 19" cabinet which is used mainly in logistic halls, commercial or industrial buildings.



Outdoor

Our single, dual and triple outdoor cabinets can be placed outside as well. With an IP55 housing and the attached climatisation system it is suitable for outside weather conditions and an extended temperature range. Our outdoor version has versatile applications, including charging stations for electric vehicles and peak-shaving in industrial settings like harbors and mining operations. For bigger systems, up to eight powerbooster racks can be placed in a 10ft container."

Smarter software.

We designed a software that adheres to the highest reliability standards. The control system harmonizes lithium batteries, converters, accessories, and other equipment to perform optimally over a vast temperature range and an extended duration. The application software prioritizes processing speed and security, while preserving adaptability. Our autonomous software supports peak shaving applications and solar optimization, while also allowing third-party control without endangering safety features. Moreover, it communicates with the cloud for logging and reporting, which enables remote servicing and over-the-air updates, if required.

Energy that goes beyond.

norwatt@norwatt.es

- Automotive plant
- Industrial plant
- R&D facility
- Recycling
- Global HQ
- Principle sales offices
+ sales offices and distribution centers across the world



www.norwatt.es



Subject to alterations
CXCPBIEPDF00323

All manufacturing plants ISO 9001 certified	All automotive plants IATF 16949 certified	All manufacturing plants ISO 14001 certified	All manufacturing plants ISO 50001 certified	Most manufacturing plants ISO 45001 certified
--	---	---	---	--

**ENERGIZING
A NEW
WORLD**

EXIDE[®]
TECHNOLOGIES

exidegroup.com

Solition Powerbooster

Technical data sheet

Applications



Commercial and industrial applications



Agriculture



Hotels



E-mobility

Technical characteristics and data

Type	Feed-through	Feed-in
Converter		
Nominal power	30kW	
Peak power	105%~115% 10min 115%~125% 1min 125%~150% 200ms	
AC connection	400Vac \pm 10%, + N + PE	
Grid frequency	50Hz (49.5Hz - 50.5Hz)	
Cos. Phi	+/- 0.8 - 1	
Cooling	Forced air cooling	
Reaction speed	from stand-by to full power: <200ms from 100% charge to 100% discharge: 80ms from 100% discharge to 100% charge: 80ms	
CEC efficiency	96.5%	
Maximum efficiency	97.3%	
Noise	<65dB	
Security	min./max. AC voltage, frequency, battery voltage, max. power, temperature	

Batteries		
Storage capacity	33kWh	
Technology	Li-Ion NMC	
Battery modules	13x 19" modules, each 2U high	
Cooling	optional 1x dual fan-unit with automatic control	

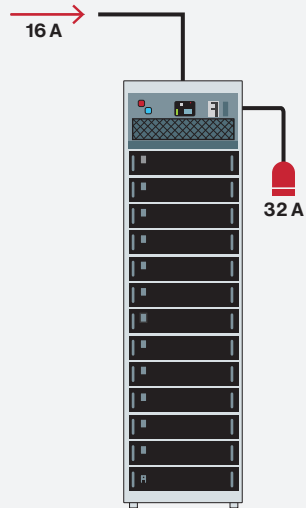
Installation and construction		
Installation	Serial system, loads connected directly to the Powerbooster with 2x five-pin CEE plug. Peak power meter integrated inside the system	Parallel system, loads not connected to the Powerbooster but elsewhere within the internal grid. Peak power meter outside the system
Construction	Free-standing 19" cabinet with perforated door, side and back panel(s)	Free-standing 19" cabinet with perforated door, side and back panel(s)
Dimensions	600mm x 700mm x 1800mm (WxDxH)	
Weight	approx. 540kg	approx. 530kg
Color	RAL 9160	

Solition Powerbooster

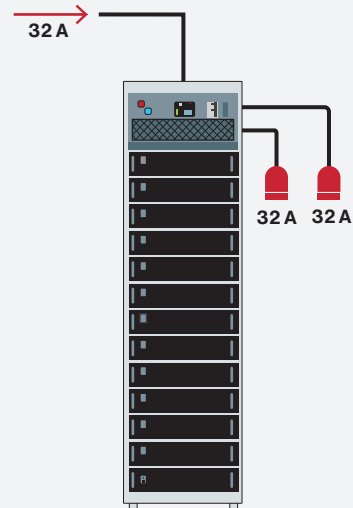
Technical data sheet

Feed-through

Upgrade existing outlets

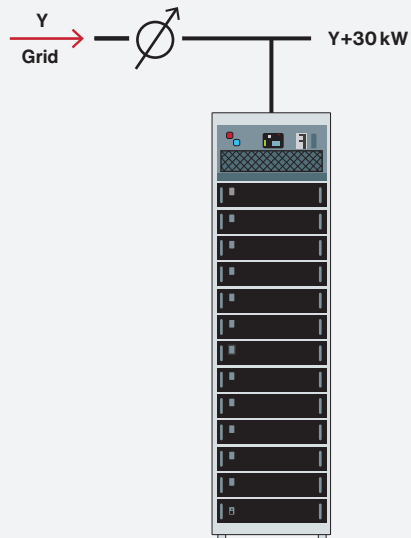


Multiply outlets



Feed-in

Boost supply inline



norwatt@norwatt.es

www.norwatt.es