

Solition Powerbooster

Technical data sheet

Applications



Commercial and industrial



Material handling



E-mobility



Agriculture



Technical characteristics and data

Batteries

Storage capacity	62 kWh
Technology	LFP (Lithium Iron Phosphate)
Battery modules	8 x 19" modules, 4U high
Cooling	Forced air cooled
Scalability & modularity	Parallel operation of up to 10 converters

System

Nominal power	30 kW
Peak power	105 ~ 115 % 10 min 115 ~ 125 % 1 min 125 ~ 150 % 200 ms
AC connection	400V ±10 %, + N + PE
Grid frequency	50 Hz (49.5 Hz - 50.5 Hz)
Cos. Phi	+/- 0.8 - 1
Cooling	Temperature controlled forced air cooling
Reaction speed	From stand-by to full power: <200 ms From 100 % charge to 100 % discharge: 80 ms From 100 % discharge to 100 % charge: 80 ms
CEC efficiency	96.5 %
Maximum efficiency	97.3 %
Noise	<75 dB for a single system
Security	Temperature protection; grid protection (over-/undervoltage, over-/underfrequency); emergency power off (EPO); reverse grid sequence protection; anti-islanding protection; fan and relay fault detection; overload protection; AC short-circuit protection; leakage current protection

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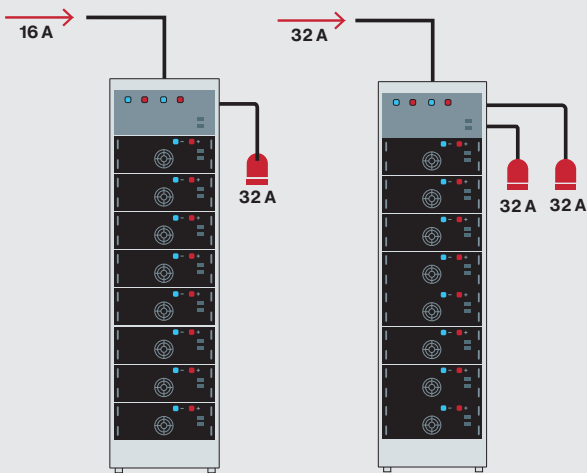
Installation and construction

Housing	Free-standing custom made 19" cabinet
Dimensions (W x D x H)	Indoor: 800 x 1060 x 2333 mm Outdoor: 800 x 1260 x 2333 mm (with HVAC unit on front door)
Weight	± 1000 kg
Protection	IP55
Others	Optional: HVAC on front door – mostly used for outdoor use

Feed-through

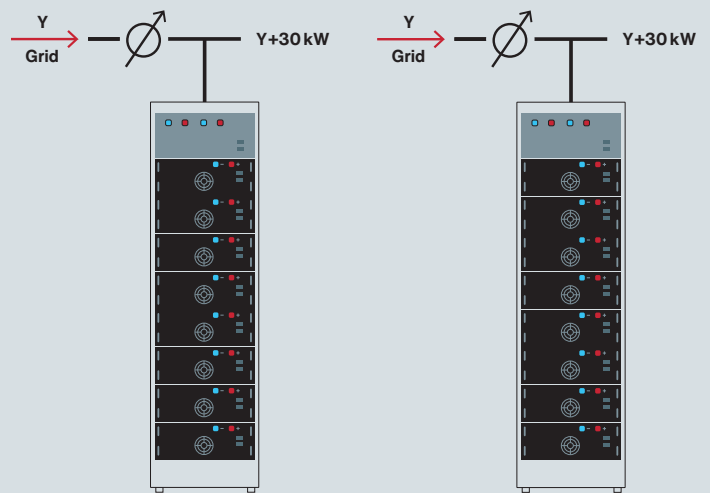
Upgrade existing outlets

Multiply outlets



Feed-in

Boost supply inline



Applications



Material handling

The system is also suitable for material handling applications, particularly in logistics. It enables the connection of the Solition Powerbooster to the site via a CEE plug, and allows chargers for mobile equipment to be connected to the Powerbooster through one or two CEE sockets.



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The Powerbooster in the feed-in version is scalable and can be connected in multiple units or deployed at different locations to support your power grid.

Configuration of multiple Feed-in systems*

Number of Systems	1	2	3	4
Power (kW)	30	60	90	120
Energy (kWh)	62	124	186	248

* For single control of multiple systems please consult your Exide representative.