

Solition Powerbooster

Technical data sheet

Applications



Commercial and industrial applications



Agriculture



Hotels



E-mobility



Material Handling

Technical characteristics and data



Type	Solition Powerbooster Indoor	Solition Powerbooster Outdoor			Solition Powerbooster Mobile	
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Batteries						
Storage capacity	33kWh	33kWh	66kWh	99kWh	200kWh	400kWh
Technology	Li-Ion NMC				Li-Ion LFP	
Battery modules	13x 19" modules, each 2U high				6 x 304Ah modules	12 x 304Ah modules

Converter					
Nominal power	30kW	30kW	30kW or 60kW	30kW or 90kW	Combined max. power 100kW via 1x 125A, 2x 63A + 1x 220V16A
Peak power	105%~115% 10min 115%~125% 1min 125%~150% 200ms				105%~115% 10min 115%~125% 1min 125%~150% 200ms
AC connection	400V ±10%, + N + PE				2 x CEE 63A or 1 x CEE 125A charge connector
Grid frequency	50Hz (49.5Hz – 50.5Hz)				50Hz (49.5Hz – 50.5Hz)
Cos. Phi	+/- 0.8 - 1				+/- 0.8 - 1
Cooling	Passive air cooling Optional 1x dual fan-unit with automatic control	Single and double cabinet: 1x HVAC, triple cabinet: 2x HVAC			Liquid cooled batteries. Forced air cooled converters.
Reaction speed, with optional peak-shave module	From stand-by to full power: <200ms From 100% charge to 100% discharge: 80ms From 100% discharge to 100% charge: 80ms				Instantaneous
CEC efficiency	96.5%				>94%
Maximum efficiency	97.3%				>95%
Noise	<65dB				<67dB
Security	Min./max. AC voltage, frequency, battery voltage, max. power, temperature				

System					
Scalability	Scalable up to 8x 30kW / 33kWh = 240kW / 264kWh	Multiple cabinets can be combined as a bigger system			Up to 3 units in parallel
DC - EV-Charger	n.a.				1x 180kW or 2x 90kW, 200 - 1000V, CCS2 Plug
Doors	single door	single door	dual door	tripple door	Protective doors for sockets and LCD

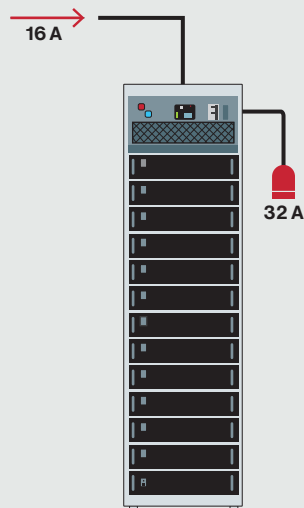
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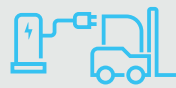
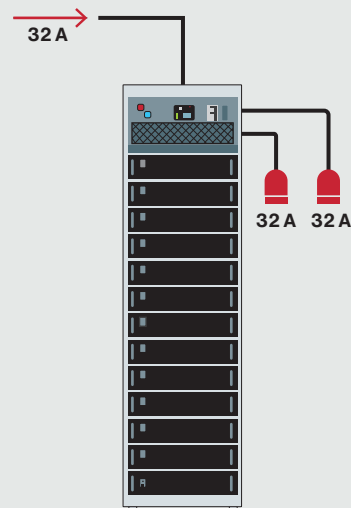
Type	Solition Powerbooster Indoor	Solition Powerbooster Outdoor	Solition Powerbooster Mobile	
Installation and construction				
Housing	Free-standing 19" cabinet with perforated door, side and back panel(s)	Dedicated 19" cabinet including climatization for outdoor application	Steel inner frame frame and sheet metal housing	
Dimensions (W x D x H)	600 x 720 x 1940 mm	Single cabinet: 860 x 880 x 1910 mm (incl. HVAC) Double cabinet: 1650 x 880 x 1910 mm (incl. HVAC) Triple cabinet: 2540 x 880 x 1910 mm (incl. HVAC)	2300 x 1450 x 1650mm	2300 x 1500 x 1900mm
Weight	Approx. 500kg	Single cabinet: approx. 600 kg, Double cabinet: approx. 1200 kg, Triple cabinet: approx. 1800 kg	2.250 kg	3.950 kg
Color and Protection	RAL 7035 - C5 for outdoor cabinets		RAL 9010 - C5	
Protection	IP20	IP55	Batteries: IP67, Housing IP54	
Others	Optional: Fast peak-shaving module, PV-Optimisation software, 4G modem for remote monotoring.		Dedicated trailer	Truck transportable

Feed-through

Upgrade existing outlets



Multiply outlets

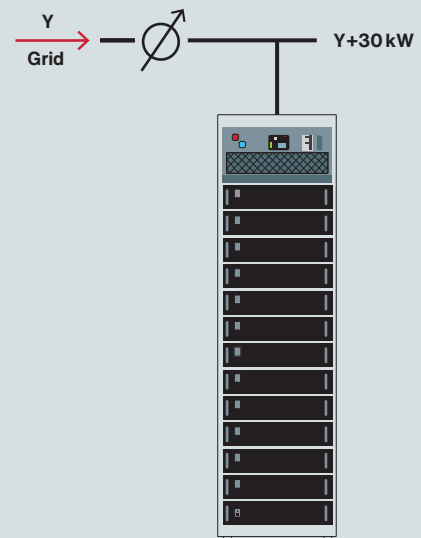


Material Handling

The system is also available for material handling applications, especially in logistics, to connect the Powerbooster via CEE-plug to the site and to connect chargers for mobile equipment via one or two CEE-sockets to the Solition Powerbooster.

Feed-in

Boost supply inline



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