

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				2x100Ah modules	4x100Ah 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				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	triple door	Protective doors for sockets and LCD	

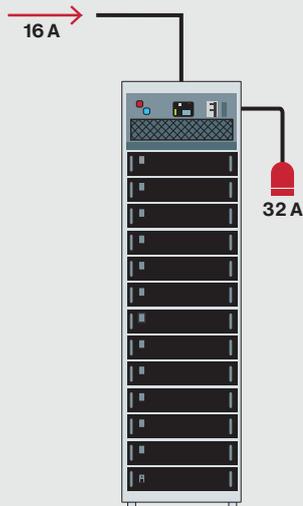
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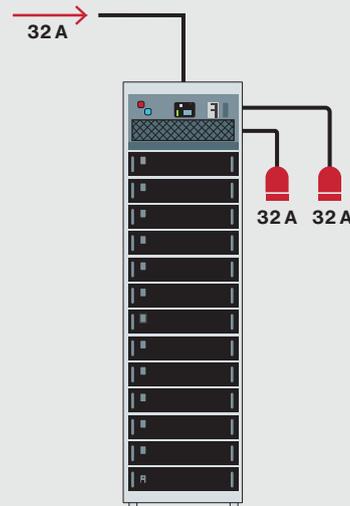
Type	Solition Powerbooster Indoor	Solition Powerbooster Outdoor	Solition Powerbooster Mobile	
Installation and construction				
Housing	Free-standing 19" cabinet with perforated door, side and back panel(s)	Dedicated 19" cabinet including climatization for outdoor application	Steel inner frame frame 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 monitoring.		Dedicated trailer	Truck transportable

Feed-through

Upgrade existing outlets



Multiply outlets

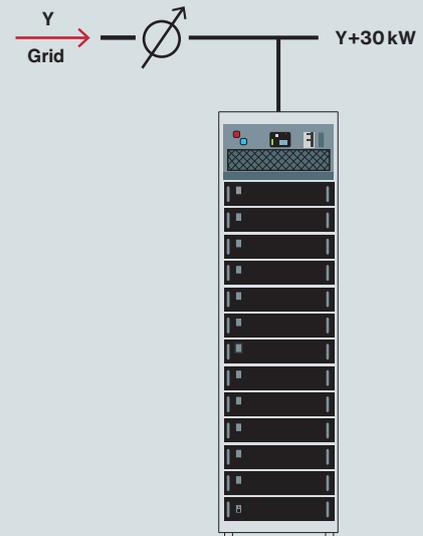


Material Handling

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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