

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	
Batteries				
Storage capacity	33kWh	33kWh	66kWh	99kWh
Technology	Li-Ion NMC			
Battery modules	13x 19" modules, each 2U high			
Converter				
Nominal power	30kW	30kW	30kW or 60kW	30kW or 90kW
Peak power	105%~115% 10min 115%~125% 1min 125%~150% 200ms			
AC connection	400V ±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			
System				
Scalability	Scalable up to 8x 30kW / 33kWh = 240kW / 264kWh	Multiple cabinets can be combined as a bigger system		
Doors	single door	single door	dual door	triple door

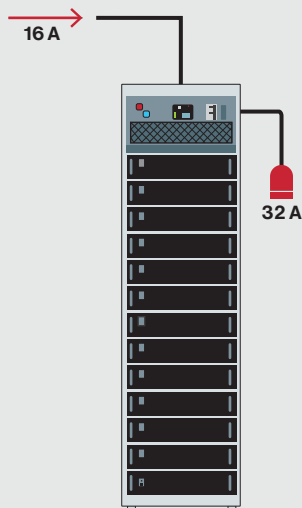
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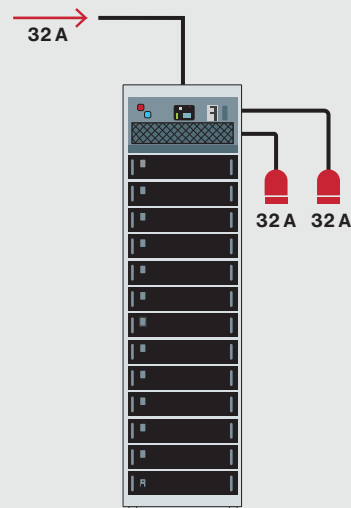
Type	Solition Powerbooster Indoor	Solition Powerbooster Outdoor
Installation and construction		
Housing	Free-standing 19" cabinet with perforated door, side and back panel(s)	Dedicated 19" cabinet including climatization for outdoor application
Dimensions (W x D x H)	600 x 720 x 1940 mm	Single cabinet: 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)
Weight	Approx. 500kg	Single cabinet: approx. 600 kg, Double cabinet: approx. 1200 kg, Triple cabinet: approx. 1800 kg
Color Protection	RAL 7035	
Protection	IP20	IP55
Cooling	Passive air cooling Optional 1x dual fan-unit with automatic control	Single and double cabinet: 1x HVAC, triple cabinet: 2x HVAC

Feed-through

Upgrade existing outlets



Multiply outlets

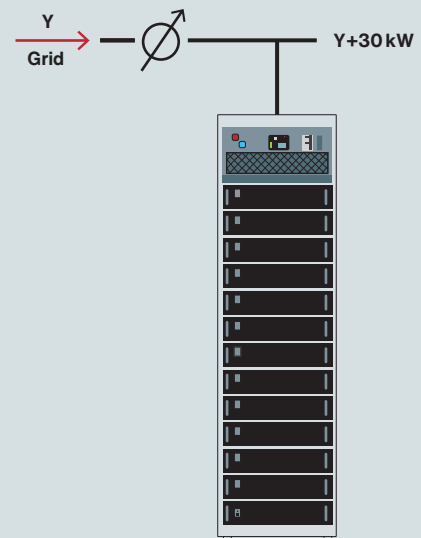


Material Handling

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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