eCube

simplify energy. store it.
In situations where the rapid provision of high electrical power on-site is crucial, the eCube's battery storage system proves indispensable, thanks to its buffering capabilities and peak shaving features.

eSpectrum®

Buffer function
The eCube serves as a buffer by drawing power from its battery storage, facilitating fast charging without imposing a significant strain on the primary electrical grid. There's no need for expensive infrastructure expansion.

Optimisation of own consumption
Optimizing self-consumption diminishes the requirement for additional energy procured from public energy suppliers. This approach effectively reduces costs, particularly during periods of high demand. Moreover, the eCube can seamlessly integrate ancillary services into public power grids, further enhancing its cost-efficiency.

Individually configurable
The eCube consists of two core modules: a battery storage system (storage plus inverter) and a charging dock module (fast charger), all housed in a 10, 20, or 40-foot container. The technology can be tailored to meet your specific needs and local conditions.

Fixed or mobile use
Thanks to its standard connectors, the eCube offers maximum flexibility. It ensures a stable and reliable power supply for electric vehicles, industrial equipment, and machinery, even in remote areas with unreliable grid connections. The system can be extended to enable off-grid operation. The unique design of the core module also allows for optimizing charging infrastructure.

Module Battery Storage System	**eCube | 10 ft Container**	**eCube | 20 ft Container**	**eCube | 40 ft Container**
Dimension container	2'991 x 2'438 x 2'896 mm (l x w x h)	6'058 × 2'438 × 2'896 mm (l x w x h)	12'192 × 2'438 × 2'896 mm (l x w x h)
Weight	8'000 kg to 15'500 kg	15'000 kg to 19'500 kg	28'000 kg to 36'500 kg
Grid connection	11 to 830 kW, 400 V AC, 50 Hz	22 to 1'100 kW, 400 V AC, 50 Hz	44 to 2'200 kW, 400 V AC, 50 Hz
Connectors	CEE16 to 125, Power Lock 600 to 1'200 A	CEE32 to 125, Power Lock 600 to 1'200 A	CEE63 to 125, Power Lock 600 to 2'400 A
Main connection	16 to 1'200 A	32 to 1'600 A	63 to 3'200 A
Inverter Expansion/multiples of	85 kW to 340 kW 85 kW	85 kW to 1'020 kW 85 kW	85 kW to 2'040 kW 85 kW
Battery capacity Expansion/multiples of	96 kWh to 576 kWh 96 kWh	192 kWh to 1'152 kWh 96 kWh	384 kWh to 2'304 kWh 96 kWh
Dockable charging station	1 module	2 modules	2 modules

Module Charging Dock	**10 ft Platform**
Dimension platform incl. roof	2'991 × 2'438 × 2'896 mm (l x w x h)
Weight	1'500 kg to 3'500 kg
Chargers	1–2
Max. power	435 kW / charger
Manufacturer	Universally compatible
Sockets	As offered by selected manufacturer
Payment terminal, billing	As offered by selected manufacturer

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