

BATTERY-FLEX

Commercial and Industrial Energy Storage System



Easy plug-in installation

Highly integrated design, easy plug-and-play installation



Intelligent Management

24-hour cloud intelligent maintenance, quick fault location and analysis



Flexible Application

Flexibly apply to micro-grid, integrated Solar+Storage+EV charging and other scenarios; Supports system parallel connection and easy for expansion

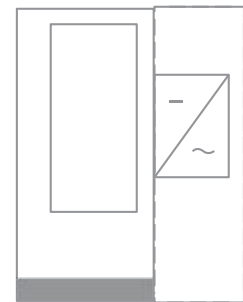
BATTERY-FLEX

The Battery-Flex is the storage system that provides Commercial and Industrial (C&I) consumers with all performance they're looking for while also being easy to use and safe. It brings to the C&I field the strengths of the Battery-Box: plug and play design, safe battery chemistry, and top technical performance.

The Battery-Flex is designed to be "the battery" in your energy system. By pairing with top-tier external inverters and offering an open interface for easy system integration, the Battery-Flex activates a vast number of business models. For instance, combining with renewable resources to maximize self-consumption, manage consumption peaks, backup or provide energy in other special use cases.

One Battery-Flex provides capacities of 30 to 90 kWh. Connecting up to 64 Battery-Flex in parallel allows for system capacities up to 5.76 MWh. The standardized outdoor design, allows for an easy and flexible positioning with optional hangers on the side for the inverter.

Battery modules and BMS
Optional Inverter position



Battery-Flex

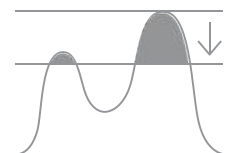
FLEXIBLE, EFFICIENT, SIMPLE



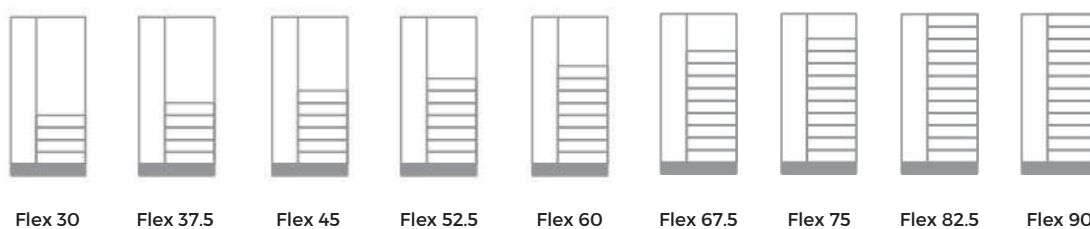
Easy plug-in installation



10 years capacity warranty



Wide application range



Technical Parameters

Cells	Standard LFP cells								
Battery Module	Flex Module (7.68 kWh, 76 V, 70 kg)								
Number of Modules	4	5	6	7	8	9	10	11	12
Usable Energy	30 kWh	37.5 kWh	45 kWh	52.5 kWh	60 kWh	67.5 kWh	75kWh	82.5 kWh	90 kWh
Nominal Voltage	307 V	383 V	460 V	537V	614 V	691 V	767 V	844 V	921 V
Operating Voltage	259 ~ 355V	324 ~ 444V	389 ~ 532V	453 ~ 621V	518 ~ 710V	583 ~ 799V	648 ~ 888V	712 ~ 976V	777 ~ 1065V
Weight	680kg	750 kg	820 kg	890 kg	960 kg	1030 kg	1100 kg	1170 kg	1240 kg
Dimensions (H/W/D)	2250 × 920 × 1300 mm								
Max Output Current	100 A								
Peak Output Current	170 A (3s)								
Operating Temperature	-20 °C to +50 °C								
Battery Cell Technology	Lithium Iron Phosphate (cobalt-free)								
Communication	CAN / RS485								
Enclosure Protection Rating	IP55								
Round-trip Efficiency	≥95%								
Certification	CE, UL 1973, UN 38.3, IEC 62619, UL9540 A								
Applications	ON Grid / ON Grid + Backup / OFF Grid / Black start / Start from AC/DC Pre-charge								
Warranty	10 Years+								
Compatibilities	Refer to Battery-Flex Compatibility List								

[1] DC Usable Energy, Test conditions: 100% DOD, 0.2C charge & discharge at + 25°C. System usable energy may vary due to system configuration parameters.

[2] Power derating will occur between -20°C and +5°C

[3] Conditions apply. Refer to Battery-Flex Limited Warranty Letter.