

Konect

SP240 Second-Life Battery

240 kWh Rated Energy

Technical Specifications



Konect SP240 kWh Second-Life Battery

Battery energy storage systems paired with EV charging stations can decrease energy costs and establish energy resilience.

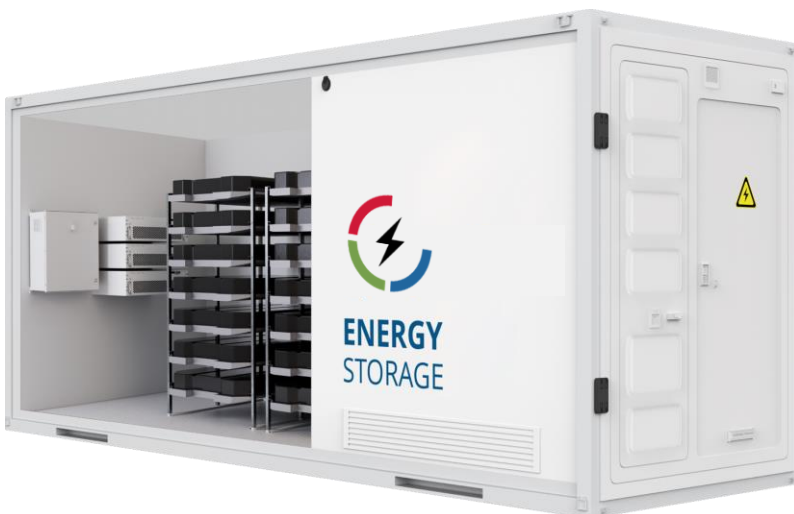
The SP240 provides customers with the most cost-effective, high-performance energy storage for EV charging sites. Using Second-life power packs not only creates a viable financial offering but also supports ESG objectives.

Battery energy storage is key in enabling high-power EV charging while minimizing exposure to fluctuating energy rates through renewable integration, energy shifting, and peak shaving.



Technical Specifications

This document provides technical specifications for the 240 kWh second-life battery.



Max output power

90 kW

Battery module capacity

240 kWh

System duration

2.6 Hours

* Image for illustrative purposes only.

Battery Specifications

	SP240
Rated Energy	240 kWh
Rated Power	90 kW
operating voltage	700 Vdc
DC voltage range	350-750 Vdc
max charging / discharging current	210 (35 x 6) A
Max C-rate	1C
Cell	LFP
Packmodel	StreetScooter V6
Power Pack Number	6
Pack Nominal Energy	40 kWh
Depth of discharge (DoD)	100%
BMS	SparkCore
Cycles	7500 (100 DoD)
System round trip efficiency	89%
Grid connection voltage -	400 / 3Ph Vac
Grid Voltage range	360 – 440 Vac
Nominal Grid Frequency	50 Hz
Energy Management	Renewable integration, Energy shifting, Peak shaving, Dynamic Import Limitation, Site Power Management, Ancillary Services, Demand Response
Safety	IEC 62619, IEC 62477, IEC 61010, IEC 61508, CE, IEC 62620, UN 38.3, IEC 61000-6
Grid connection	VDE 0126 / IT: CEI-21, UN38.3, TOR D4 Version 2.3:2016-7, DE: VDE-AR-N 4105:2018, VDE-AR-N 4110:2018
Operating temperatures	0 – 50 C°
Humidity	0-80%
Max Altitude	2000 m
Cooling	Forced air
Protection	IP54
Weight Total	6000 kg
Weight Pack	325 kg
Dimensions	6.1 m x 2.4 m x 2.6 m (L x W x H)
Installation	Outdoor

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Electrifying futures.

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EV charging ecosystem solutions.

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