

Advanced LFP Platform Quick Overview

Advanced LFP technology

Up to 10 ESS configurations in parallel



1T*

Half voltage pack



2T

Full voltage pack (two tier)



3T*

Full voltage pack (three tier)



4T

Full voltage pack (four tier)

Dimensions	2000 x 620 x 140 mm (excl. connections)	2000 x 620 x 280 mm (excl. connections)	1428 x 620 x 417 mm (excl. connections)	1140 x 620 x 560 mm (excl. connections)
Weight	325 kg Nominal 51 kWh 293-420 V (357) nominal	635 kg Nominal 102 kWh 586-840 V (714) nominal	655 kg Nominal 102 kWh 586-840 V (714) nominal	670 kg Nominal 102 kWh 586-840 V (714) nominal
Peak power**	Charge: 125 kW (50% SOC) Discharge: 150 kW (50% SOC)	Charge: 250 kW (50% SOC) Discharge: 300 kW (50% SOC)	Charge: 250 kW (50% SOC) Discharge: 300 kW (50% SOC)	Charge: 250 kW (50% SOC) Discharge: 300 kW (50% SOC)
Continuous power	Charge: 94 kW (50% SOC) Discharge: 98 kW (50% SOC)	Charge: 187 kW (50% SOC) Discharge: 196 kW (50% SOC)	Charge: 187 kW (50% SOC) Discharge: 196 kW (50% SOC)	Charge: 187 kW (50% SOC) Discharge: 196 kW (50% SOC)
Cooling	H ₂ O and ethylene glycol, 50:50	H ₂ O and ethylene glycol, 50:50	H ₂ O and ethylene glycol, 50:50	H ₂ O and ethylene glycol, 50:50
Charging capacity ⁺	10 - 80% SOC, 25 min ⁺⁺	10 - 80% SOC, 25 min ⁺⁺	10 - 80% SOC, 25 min ⁺⁺	10 - 80% SOC, 25 min ⁺⁺
Cell cycle life	>4000 (80% SOH, @ 25 Celcius)	>4000 (80% SOH, @ 25 Celcius)	>4000 (80% SOH, @ 25 Celcius)	>4000 (80% SOH, @ 25 Celcius)
Ambient operating temperature range ⁺⁺⁺	-35 to 50°C	-35 to 50°C	-35 to 50°C	-35 to 50°C
Communication	CAN-FD / SAE J1939	CAN-FD / SAE J1939	CAN-FD / SAE J1939	CAN-FD / SAE J1939

*In development **Peak power varies based on application. ***>20% SOC *Prolonged use of high power will reduce cycle life operating temperature, power and %DoD. ***Battery Thermal Management System (BTMS) required to keep cell within working range **At 25°C to 80% SOH, SC/IC, 0-100% SOC Cycle life can be expected to change depending on use case, and is affected by

Specs subject to change throughout development cycle

The information herein is being provided for reference only and is subject to change without notice.



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