SolutionPartner

LG Chem

Put your power worries to rest!

Self-sufficient energy around the clock

Smart solutions for energy self-efficiency RESU® 6.4 EX

LG Chem's RESU®6.4 EX enables simpler spatial planning with the compact, lightweight design.

Compact Size & Light Weight

The increase in energy density 144Wh/ℓ, enables an ultra-compact, ultra-lightweight battery to be designed.
The compact size offers higher spatial efficiency and makes RESU®6.4 EX easy to handle.

Expandable System

Up to two 3.2kWh expansion modules can be added to a standard capacity of 6.4kWh, which allows RESU® 6.4 EX to store more energy.

Installation Friendly

RESU® 6.4 EX can be installed with a simple process in 5 minutes and the product can easily be mounted on the wall.

Technical Specification

Item		Description	
		Main pack	Expansion pack
Nominal energy		6.4 kWh	3.2 kWh
Nominal capacity (CC/CV Mode, Cut-off : 0.05C)		126 Ah	63 Ah
Dimension (Width x Height x Depth)		406 x 664 x165 ㎜	230 x 664 x165 ㎜
Weight		60 kg	30 kg
Nominal voltage (DC)		51.8 V	
Operating voltage (DC)		45.2 V ~ 58.1 V	
Nominal charge current		42A	
Nominal discharge current		42A	
Maximum discharge current		110A	
Peak power (25℃/77°F)		5kW	
Faradaic charge efficiency (25℃/77°F)		99 %	
Battery round-trip efficiency (C/3, 25℃/77°F)		95 %	
Expected lifetime (25℃/77°F)		More than 10 years	
Cycle life (90% DOD, 25℃/77°F)		> 6,000 cycle	
Available operating temperature		0 ~ 40℃	
Optimal operating temperature		15 ~ 30℃	
Storage temperature		-30 ~ 50℃	
Cooling		Natural convection	
Communication interface		CAN, CANopen	
Certification	Battery cell safety	IEC 62133	
	Battery pack safety	CE, IEC 62619	
	UN number	UN 3481	
	UN transportation testing requirements	UN 38.3	
	Hazardous materials classification	Class 9	
	International protection marking	IP 21	

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Dealer Information