



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 x 165 mm	230 x 664 x 165 mm
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 °C / 77 °F)	5kW	
Faradaic charge efficiency (25 °C / 77 °F)	99 %	
Battery round-trip efficiency (C/3, 25 °C / 77 °F)	95 %	
Expected lifetime (25 °C / 77 °F)	More than 10 years	
Cycle life (90% DOD, 25 °C / 77 °F)	> 6,000 cycle	
Available operating temperature	0 - 40 °C	
Optimal operating temperature	15 - 30 °C	
Storage temperature	-30 - 50 °C	
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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