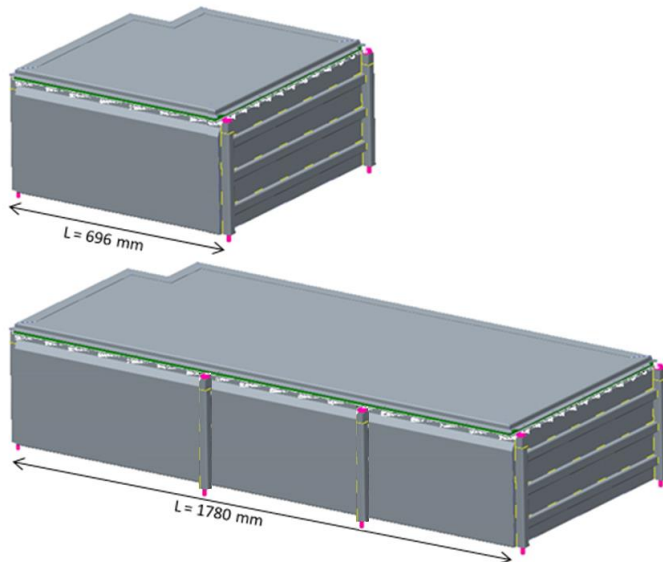
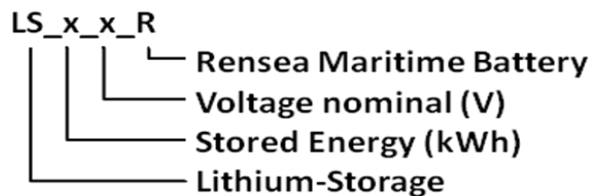


Maritime Li-Ion Battery

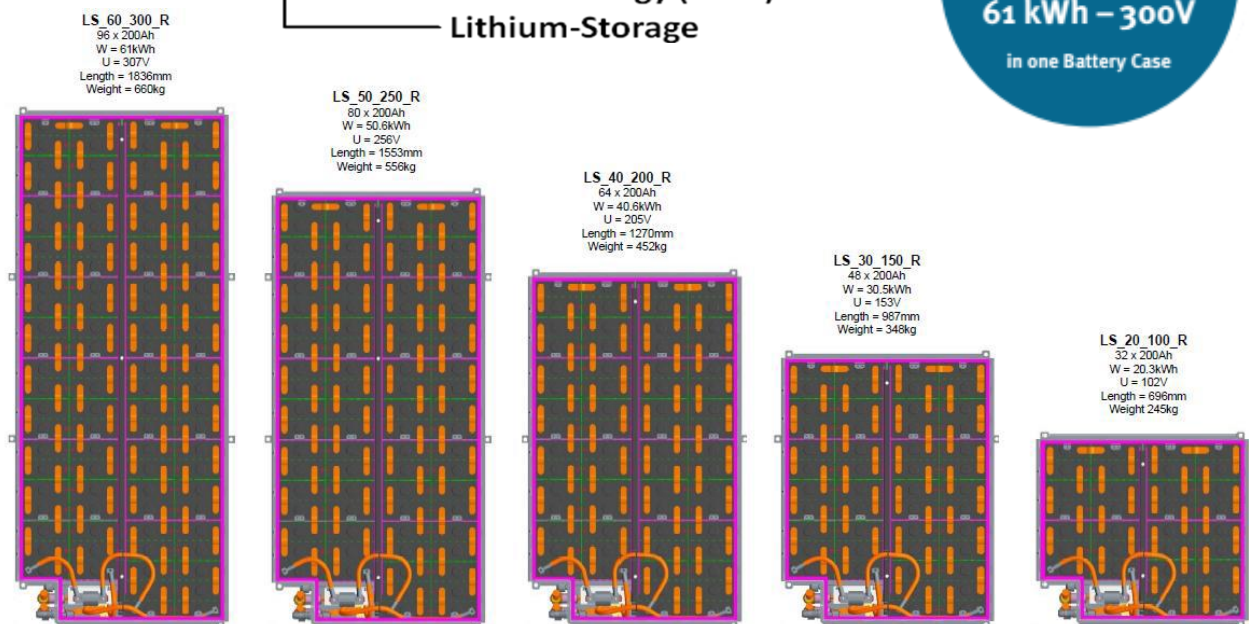


- reliable and safe lithium chemistry
- sealed housing IP67
- stainless material
- tested and approved
- in daily use at customers
- remote system access for service
- clever and affordable design
- simple installation
- no cooling necessary

Type designation of product line



**20 kWh - 100V
Up to
61 kWh - 300V**
in one Battery Case



ELECTRICAL CHARACTERISTICS	
Cell connection	32s – 96s 1p
Capacity	200Ah
Energy	20kWh – 61kWh
Chemistry	Lithium-Iron-Phosphate LFP
Nominal Voltage	102V – 307V
HV-Fuse	500A
BMS / BCU	Active system
MECHANICAL CHARACTERISTICS	
Operating temperature range	0 – 45°C
Protection class battery case	IP67 approved
Weight & Material	250kg – 650kg / stainless steel
Dimensions l * w * h	696 – 1780mm * 751mm * 350mm
PROTECTION	
Over-/Undervoltage protection per Cell	
Voltage deviation diagnose per Cell	
Over-/Undervoltage protection for Pack	
Over-/Undertemperature protection	
Detection of Sensor failures	
Overcurrent protection	
HV-Interlock	
CAN-Traffic Activity Survey	
Diagnostic Trouble code CAN broadcast	
Historic data logging	
Intrinsic safety design of Pack with venting connection	
Optional Nitrogen emergency flushing	
APPROVED TESTS ACCORDING TO DNV-GL	
Vibration test	EN 60068-2-6, DNVGL-CG-0339
Dry heat test	EN-60068-2-2, DNVGL-CG-0339
Damp heat test	EN-60068-2-30, DNVGL-CG-0339
High voltage test	DNVGL-CG-0339
Insulation resistance test	DNVGL-CG-0339
Radiated emission (electrical + magnetic field)	EN-55016-2-3, DNVGL-CG-0339
Conducted emission	EN-55016-2-1
EMC Immunity	EN-61000-4-3, EN-61000-4-2, EN-61000-4-6, DNV Sect. 3, EN-61000-4-4, EN-61000-4-5

