

luxra®PURE
ENERGY

ADVANCED SAFETY ARCHITECTURE

Comprehensive fire prevention and suppression system with intelligent monitoring ensures proactive risk management and rapid response capabilities across all operational scenarios.



SUPERIOR ECONOMIC PERFORMANCE

High-density 315 Ah LFP cells deliver 30% cost reduction per kWh while maximizing space efficiency with 5 MWh capacity in standard 20ft containers.



EXCEPTIONAL OPERATIONAL FLEXIBILITY

Modular design supports diverse applications across generation, grid, and end-user environments with scalable capacity configurations to match specific requirements.



COMPLETE ENERGY INDEPENDENCE SOLUTIONS

LUXRA® PURE STORAGE UTILITY & GRID 1.5 - 5.0 MWh CONTAINER

PURE-TITAN
LIQUID-COOLED ENERGY
STORAGE CONTAINER 1.5 - 5.0 MWh



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315 Ah

CELL CAPACITY

48

PACK QTY

1165 VDC~1477 VDC

SYSTEM OUTPUT VOLTAGE RANGE

IP55

LEVEL OF
PROTECTIONEXTENDED CYCLE LIFE AND
ROBUST PERFORMANCE

PROVEN RELIABILITY AND OPTIMAL ROI

CELL PARAMETERS*

PURE-TITAN

Cell type	LFP
Cell capacity	315 Ah

PACK PARAMETERS*

PURE-TITAN

Cell configuration	1P104S
Pack rated voltage	332.8 V
Pack rated energy	104.832 kWh

RACK PARAMETERS*

PURE-TITAN

Rack battery configuration	1P416S
Pack qty	48
Rack rated energy	419.328 kWh

SYSTEM PARAMETERS*

PURE-1600

PURE-2000

PURE-2500

PURE-5000

System battery configuration	4P416S	5P416S	6P416S	12P416S
Rated energy (BOL) at DC side	1677 kWh	2096 kWh	2515 kWh	5031 kWh
System output voltage range	1165 Vdc~1477 Vdc			
Rate for charging and discharging	≤0.5 P			
Container (feet)	10ft	10ft	10ft	20ft
Weight	15430 kg	18110 kg	20790 kg	≤ 44000 kg
Level of protection	IP55			
Anti-corrosion grade	C4			
Operating humidity range	0%~95% (non-condensing)			
Operating temperature range	-20 °C~55 °C (derated when the operating temperature is over 45 °C)			
Max. operating altitude	4000m (derated when the operating altitude is over 2000m)			
Cooling method	Liquid-cooled			
Fire protection	Aerosol + temperature detector + smoke detector + audible and visual alarm + fire water system			
Communication interface	LAN			
Communication protocol	Modbus TCP			

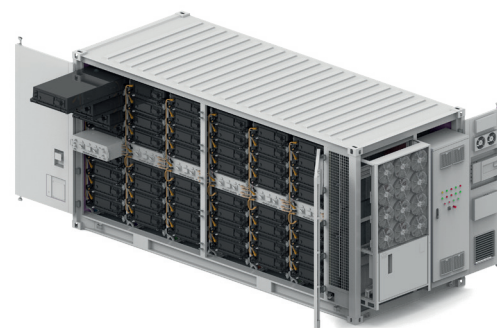
* Subject to actual delivery

CERTIFICATION

IEC62619, IEC63056, IEC62477, EN61000, UL1973, UL9540A, KC, UN38.3

WARRANTY

Product Material & Workmanship	10 years
Cycle Life	8000 at 95% DoD



The information contained in these specifications is subject to change without prior notice.
Luxra Storage Solutions B.V. reserves the exclusive right to final interpretation of all content.



Email us:
storage@luxra.ch



Contact us:
+41 41 5331195



Holding: Riedstrasse 7, CH - 6330 Cham, Switzerland
Sales: Schoterlandseweg 45, NL - 8451 KA Oudeschoot, The Netherlands

WWW.LUXRA.CH
WWW.LUXRA.COM