

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 5 MWh CONTAINER

PURE-TITAN
LIQUID-COOLED ENERGY
STORAGE CONTAINER 5 MWh



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315 Ah

CELL CAPACITY

48

PACK QTY

1165 VDC~1477 VDC

SYSTEM OUTPUT VOLTAGE RANGE

IP55LEVEL OF
PROTECTION**EXTENDED 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-TITAN**

System battery configuration	12P416S
Rated energy (BOL) at DC side	5031 kWh
System output voltage range	1165 Vdc~1477 Vdc
Rate for charging and discharging	≤0.5 P
Dimensions (W*H*D)	20ft (6058 mm * 2896 mm * 2438 mm)
Weight	≤ 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 90% DoD

