



Liquid-cooled Energy Storage System

ORI-P7500B15045L-2H





Fast Deployment

- One-stop service with streamlined coordination
- Pre-installed components for rapid setup
- Factory pre-commissioning halves debugging time



Cost Efficiency

- Intelligent clusters maximize output and efficiency
- Liquid cooling ensures $\leq 3^{\circ}\text{C}$ temperature uniformity
- Smart controls lower energy and maintenance costs
- Compact design reduces space and construction demands



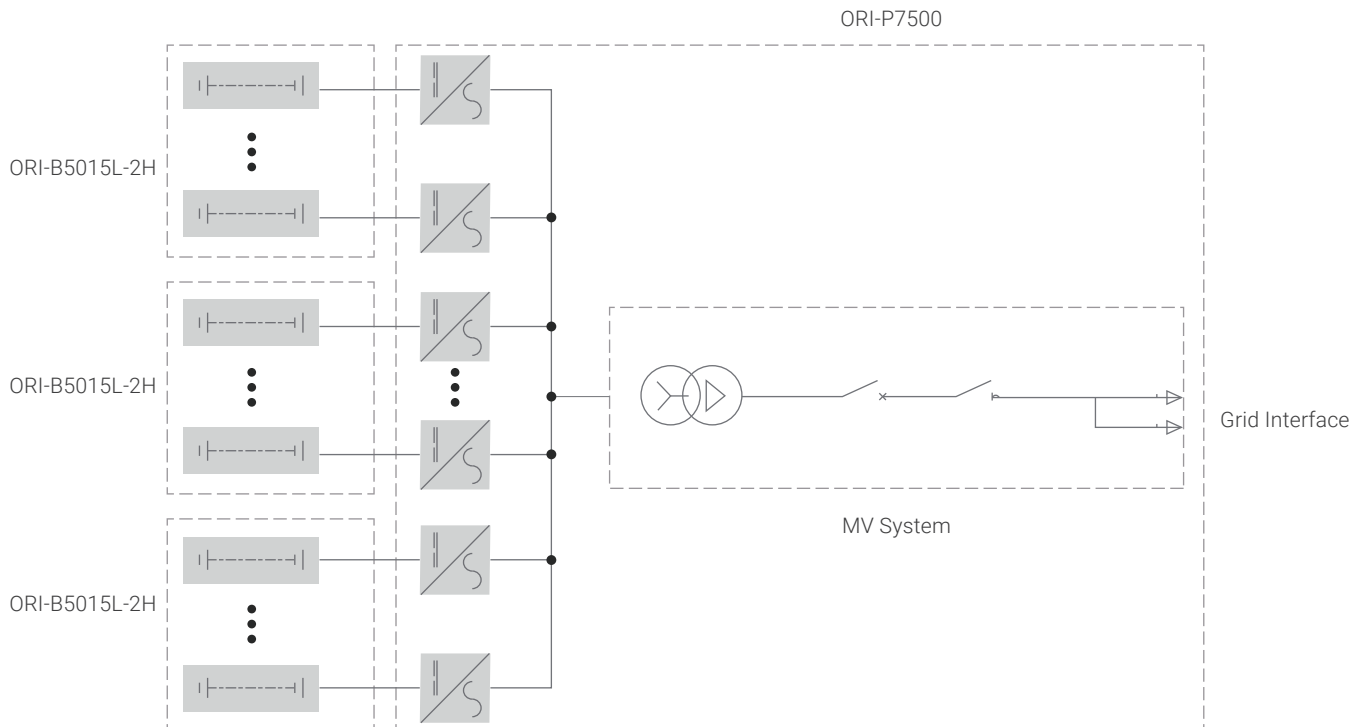
Advanced Safety

- Multi-level monitoring ensures system reliability
- Fire-resistant compartments prevent thermal runaway
- Integrated detection and suppression for rapid risk control



System Flexibility

- Modular design enhances uptime and scalability
- IP55 outdoor cabinet and IP66 components handle harsh conditions
- Rapid maintenance with 1-hour part replacement





ORI-B5015L-2H

DC SIDE

DC rated voltage	1331.2 V
DC voltage range	1123.2 ~ 1497.6 V
Pack structure	1P416S * 12
Cell type	LFP 314 Ah / 3.2 V
Battery pack type	314Ah / 332.8 V
Battery cluster type	314Ah / 1331.2 V
Nominal energy capacity	5,015 MWh

GENERAL SPECIFICATION

Cooling method	Liquid cooling
Operation temperature range	-20 ~ 50°C
Storage temperature range	-30 ~ 60°C
Operation humidity range	≤ 100% RH (non-condensing)
Charge & discharge rate	0.5P
Max. operating altitude	≤ 4000 m
Dimension (L×W×H)	6058 × 2438 × 2896 mm
Container weight	≤ 43 t
Protection degree	IP55 C4 (optional C5)
Configuration of HVAC	Gas Fire Suppression + Water-based Fire Suppression + Explosion-proof Ventilation
Communication interface	RS485, Ethernet, CAN
Communication protocol	Modbus TCP/RTU, IEC 104, IEC 61850



ORI-P7500

DC SIDE

Max. DC voltage	1500 V
Rated DC power	215 kW × 36
Max. DC current	236.5 A × 36
DC voltage range	1000 ~ 1500 V

AC SIDE

Rated AC power	7500 kW
Max. AC power	8000 kW
Nominal AC voltage	10 ~ 35 kV
Nominal AC frequency	50 Hz / 60 Hz
THDi (rated power)	< 3%
Adjustable Power Factor range	-1 ~ +1

SYSTEM DATA

Isolation method	Dry-type/Oil-immersed transformer
PCS Maximum efficiency	99%
Ingress protection	IP66 (PCS) / IP54 (Others)
Operating temperature range	-30 ~ 50°C
Relative humidity	0~100% RH (non-condensing)
Max. operating altitude	2000m (optional: 4000m)
Communication interfaces	RS485 / CAN / Ethernet

MECHANICAL PARAMETERS

Dimensions (W × H × D)	12192 × 2896 × 2438 mm
Net weight	≤ 33t