



Large Capacity High Integration

Integrated with EVE 628Ah large-capacity cells, offering higher integration than 314Ah cells. The stacked cell design enhances safety and extends service life by 20%.



Energy-Efficient Low Noise

Multi-mode top-air-outlet liquid cooling system, delivering lower energy consumption and reduced noise.



5MWh

20-ft Liquid-cooling DC container

www.rocheenergy.com



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www.ecobattery.eco

5MWh DC Container Data Sheet



DC Parameters

Battery Capacity	5.015MWh
Cell Capacity	628Ah LFP(EVE)
PACK	1P52S Liquid Cooling
Battery Stack	6*1P416S
Rated Voltage	1331.2VDC
DC Voltage Range	1164.8VDC ~ 1497.6VDC
Rated Charge/Discharge C-Rate	0.5P

Protections

DC Side	Disconnect Switch & Fuse
Fire Protection	Aerosol & Water Fire Suppression

Environmental Conditions

Operating Temperature	-30~50°C(>45°C Derating)
Altitude	≤ 3000 m (derating required above 2000 m)
Humidity	0~95%(No Condensation)

Physical Characteristics

Weight	≤43T
Dimensions(W*H*D)	2438mm*6058mm*2896mm
IP Rating	IP65

Other

Thermal Management Method	Liquid cooling
Communication Interface	Modbus、TCP

Product Features



40% reduction in electrical connection failures:

50% fewer battery cells, significantly reducing internal weld points and cable connections.



+7% lifetime usable energy:

+7% lifetime usable energy enabled by string PCS integration.



–10% total O&M cost over system lifetime:

–10% lifecycle O&M cost through active BMS balancing.



45% lower energy consumption:

Natural cooling mode in low-temperature regions reduces liquid cooling energy consumption.



System noise level 72 dB:

Optimized airflow design lowers noise impact on surrounding areas.



High protection design: IP65 + C5-M anti-corrosion

Designed for harsh environments, including islands, deserts, and mining sites.