

MERCURY MAX

5015 KWH LIQUID COOLED ENERGY STORAGE SYSTEM



PRODUCT FEATURES

COST REDUCTION

- Intelligent temperature control extends cell life by 15%
- Efficient integration technology reduces cost per kWh by approximately 10%.
- Optimized integrated design cuts installation costs by 40%.

CONVENIENT O&M

- Integrated system solution simplifies transportation, installation, and commissioning.
- EMS intelligent control allows flexible system operation settings.
- Modular design minimizes downtime and reduces loss from failures.

EFFICIENT AND FLEXIBLE

- Strong environmental adaptability supports various extreme applications.
- Equipped with a high-capacity battery pack increasing energy density by 20%.
- Optimized heat dissipation and space layout boost equipment utilization by 60%.

SAFETY AND RELIABLE

- Intelligent temperature control maintains a temperature difference of less than 3°C
- Multiple fire protection measures ensure system safety.
- Pack-level fire protection prevents thermal runaway incidents.

System Type	ZCKJ-EES20-L-5015/1331.2-0.25P-E2 (A)
DC side	
Cell type	LFP 3.2V/314Ah
Battery configuration	416S12P
Nominal capacity	5.015MWh
Nominal voltage range	1164.8~1500V
AC side	
Nominal AC power	5000kVA
Max.THD of current	<3% (Nominal Power)
DC component	< 0.5%
Nominal AC voltage	690V
AC voltage range	621V~759V
Power factor	> 0.99 (Nominal Power)
Adjustable range of reactive power	1.0 lagging~1.0 leading
Nominal frequency	50Hz/60Hz
System parameter	
Dimension (W * H * D)	2438mm*2896mm*6058mm
Weight	~42t
Degree of protection	IP55
Anti-corrosion Degree	C4/C5 (optional)
Operation Ambient Temperature Range	-30°C~+55°C(> 45 °C derating)
Operation humidity range	0~95%
Maximum Operation Altitude	3000m
Temperature Control Method	High-efficiency liquid cooling
Fire suppression system	Combustible gas detector, smoke sensor, temperature sensor, Pack aerosol/perfluorohexanone, Water fire protection, Gas extinguishing controller
Communication	CAN、RS485、RJ45
Standard	IEC 62619,IEC 63056,IEC 62477-1,IEC 62040-1, IEC/UL 60730-1,UL 9540A