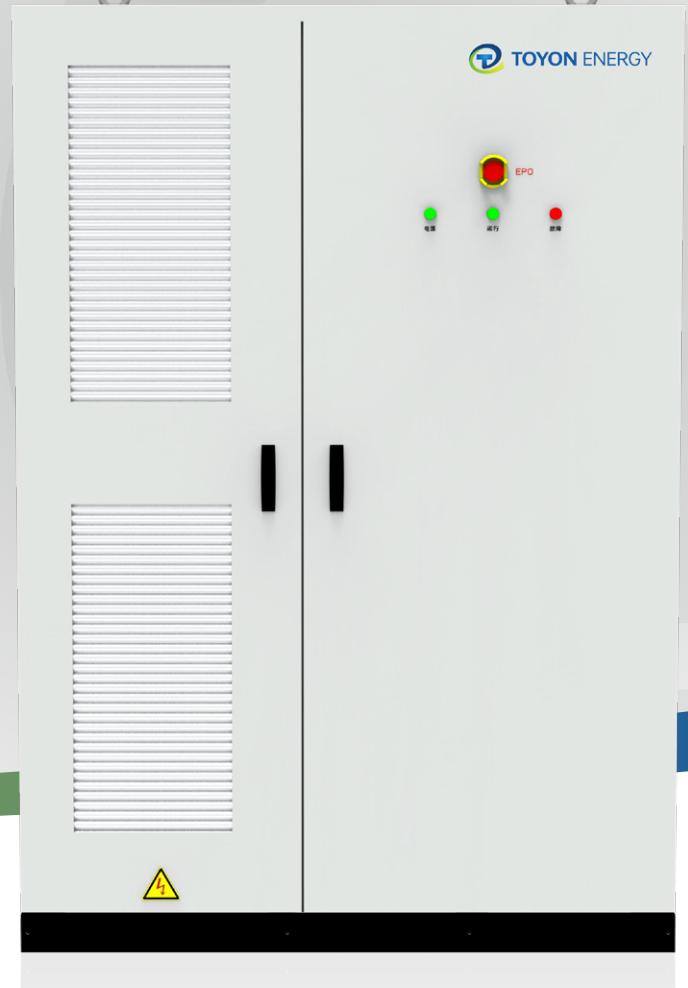


Liquid-cooled

All-in-one ESS Cabinet

The ESS Cabinet features advanced pack-level liquid cooling and temperature balancing, maintaining cell temperature differences within 3 °C. This enhances cell temperature consistency and extends battery life. Its modular design enables flexible parallel configurations and higher energy density, significantly improving the cost-effectiveness, safety, and installation convenience of ESS projects.

215KW 418 kWh



Features



Safe and reliable

brand-level battery cell rigorous screening, integrated and reliable design; IP67 protection level Pack, IP55 protection level cabinet, two layers of safety protection.



High efficiency and economy

314Ah high energy density battery cell integration, improve the capacity of a single cabinet, reduce the cost of kWh.



Highly integrated

This productized system integrates liquid-cooled batteries, PCS, power distribution, temperature control, fire protection, monitoring and communication for full operational and risk control.



Intelligent management

supporting local control or cloud platform management system intelligent equalization strategy, system real-time warning, to ensure the consistency of the whole life cycle of the battery.

Liquid-Cooled ESS Cabinet

PRODUCT DESCRIPTION

Sub-Model	215 (418kWh)
Battery rated capacity	418kWh
Battery rated voltage	1331.2V
Battery voltage range	1164.8V~1497.6V
Battery type	Lithium iron phosphate battery(LFP)
Battery cell capacity	314Ah
Series of Battery	1P*52S*8S
Maximum charge and discharge current	157A
Rated AC power	215kW
Maximum AC power	236.5kW
Rated AC current	155.2A
Maximum AC current	170.7A
Rated AC voltage	800Vac,3W+PE
Rated AC frequency	50/60Hz
THDI	<3%(Rated power)
Power Factor	-1leading to +1 lagging
THDU	<3%(Linear Load)
Degree of protection	IP55
Protective Class	I
Isolation mode	No-Isolation
Shutdown self-discharge	<0.1%Rated Power(Without transformer)
Display	LCD
Relative humidity	0~95% (nocondensation)
Ambient temperature	-25°C to +60°C (Derating above 45°C)
Cooling mode	Liquid-cooled
Altitude	3000m (>2000m reduction)
Communication interface	CAN/Ethernet/485
Size (W * D * H)	1600*1350*2300mm
Weight (approx.)	3900kg

