Commercial & Industrial Storage System

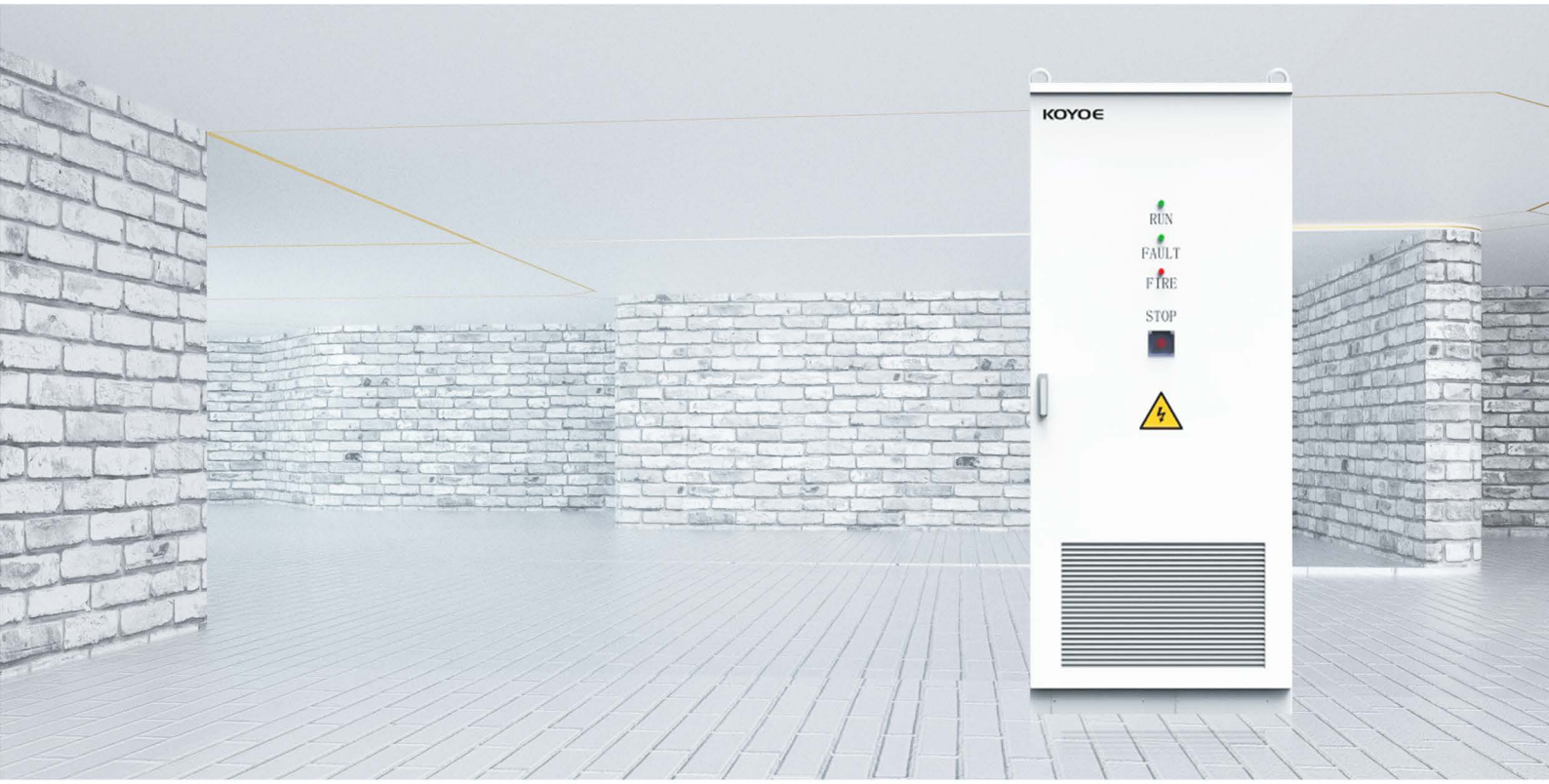
KOYOE

Applicable to C&I Energy Storage Scenarios

100/125kW-261kWh (Liquid cooling)Energy Storage

Product Models

- KYT125kW-261kWh
- KYT100kW-261kWh



Efficient temperature control

Efficient heat dissipation and uniform temperature control, low noise and energy-saving, widely adaptable

Three-Level Fire Protection

Accurate monitoring to prevent problems
Multiple barriers, solid protection

Support Diesel Engine

Optimize resource allocation Enhance power supply reliability

*External STS is required

Multiple Systems in Parallel

Up to 20 units can be connected in parallel

*Requires parallel controller (under grid connected condition)

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*Specifications are subject to the actual nameplate of the product

Model	KYT100kW-261kWh	KYT125kW-261kWh
AC Data(working with grid)		
Nominal Output Power[W]	100000	125000
Max. Apparent Output Power [VA]	110000	137500
Max Input Power[W]	110000	137500
Nominal Output Voltage[Vac]	400V,3L/N/PE	
Nominal Output Frequency[Hz]	50/60	
Max. Output Current[A]	160	200
Max. Three-phase Unbalanced Output Current[A]	160	200
Power Factor	~1 (0.8 lead to 0.8 lag can be set)	
Total Harmonic Distortion[%]	<3 (fully loaded)	
AC Data(working without grid)		
Nominal Output Power[W]	100000	125000
Max. Apparent Power [VA]	110000	137500
Nominal Output Voltage[Vac]	400V,3L/N/PE	
Nominal Output Frequency[Hz]	50/60	
Max. Three-phase Unbalanced Output Current[A]	160	200
On/Off grid switching time [ms]	<10ms	
Efficiency		
Efficiency of System [%]	88 (0.5C charge & discharge @25±2℃)	
Battery Data		
Battery type	LFP	
Nominal Voltage[V]	832	
Working voltage range[V]	728~949	
Battery model	KY-166V314AH	
Max. Charge/Discharge Power[W]	100000	125000
Cycle	cell ≥8000 cycles , 25±2℃, 0.5C, 90%DOD, 70%EOL	
Nominal Charge/Discharge Current[A]	120/120	150/150
Number of Batteries	5	
Single Battery Capacity[kWh]	52	
Nominal Capacity[kWh]	261	
90%DODAvailable Capacity[kWh]	235	
Temperature Control System		
Temperature Control System	Liquid cooling unit	
Fire Fighting System		
Active	Detector+Aerosol+Water Fire Protection	
Passive	Aerosol	
Explosion-proof	Passive presure explosion-proof valve	
General Data		
Operating Temperature Range[℃]	-20~50 (>45 derating)	
Operating Altitude(m)	<2000	
Ingress Protection Rating	IP54	
Relative Humidity[%]	0~95, No condensation	
Maximum noise index [dB]	<70	
communication interface	RS485/Wifi	
Communication protocol	Modbus	
Dimension(W*H*D)[mm]	1020*1403*2433	
Weight [kg]	2800	
handling mode	Forklift and lifting ring are available	
Certification		
Safety Standards	IEC 62619, IEC63056, IEC 62477-1, EU 2023/1542	
EMC Standards	EN 61000-6-2&4	
On-grid Standard	VDE-AR-N 4105/11.18, VDE-AR-N 4110: 2003, VDE-AR-N 4120: 2018,	

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