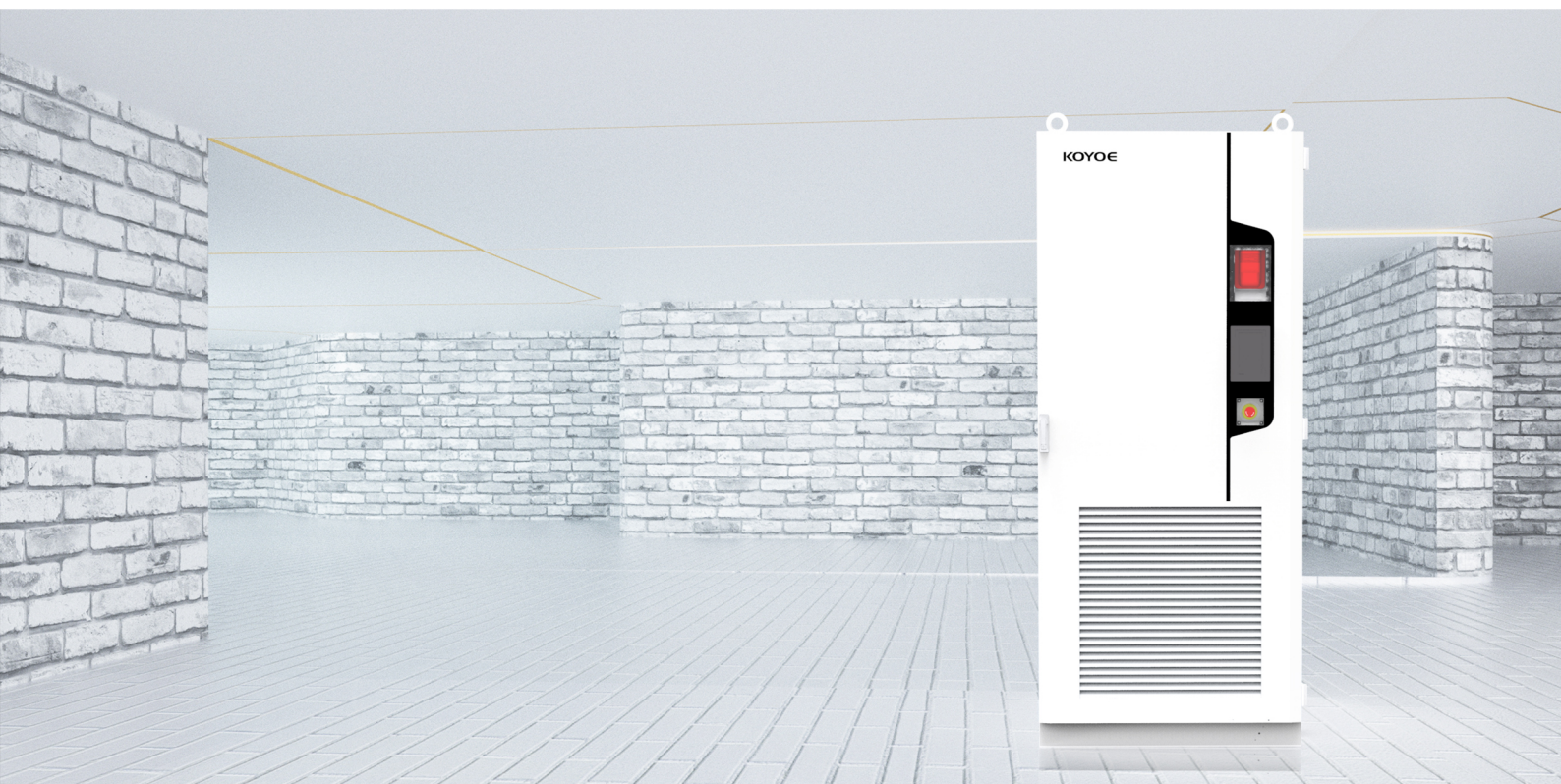


# Applicable to C&I Energy Storage Scenarios

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

### Product Models

- ◆ KYT125kW-261kWh-B
- ◆ KYT100kW-261kWh-B



### Efficient temperature control



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

### Four-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 40 units can be connected in parallel

\*Requires parallel controller (under grid connected condition)

Model	KYT100kW-261kWh-B	KYT125kW-261kWh-B
<b>AC Data(working with grid)</b>		
Nominal Output Power[W]	100000	125000
Max. Apparent Output Power [VA]	110000	137500
Max Input Power[W]	110000	137500
Nominal Output Voltage[Vac]	380/400V,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	
<b>AC Data(working without grid)</b>		
Nominal Output Power[W]	100000	125000
Max. Apparent Power [VA]	110000	137500
Nominal Output Voltage[Vac]	380/400V,3L/N/PE	
Nominal Output Frequency[Hz]	50/60	
Max. Three-phase Unbalanced Output Current[A]	160	200
Max. Output Single-phase Apparent Power[VA]	37000	45800
Peak Output Apparent Power[VA](60s)	120000	140000
Peak Output Apparent Power[VA](10s)	150000	150000
On/Off grid switching time [ms]	< 10ms	
<b>Efficiency</b>		
Efficiency of System [%]	88 (0.5C charge & discharge @25±2°C)	
<b>Battery Data</b>		
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°C, 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%DOD Available Capacity[kWh]	235	
<b>Temperature Control System</b>		
Temperature Control System	Liquid cooling unit	
<b>Fire Fighting System</b>		
Active	Detector+Novec 1230+Water Fire Protection	
Passive	Novec 1230	
Explosion-proof	Passive presure explosion-proof valve	
<b>General Data</b>		
Operating Temperature Range[°C]	-20~50 (> 45 derating)	
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]	1000*1300*2457	
Weight [kg]	2800	
handling mode	Forklift and lifting ring are available	
<b>Certification</b>		
Safety Standards	IEC/EN 62109-1/-2	
EMC Standards	IEC/EN 61000-6-2/-4	
On-grid Standard	CEI 0-21,NRS097-2-1:2017,VDE-AR-N 4105:2018,CQC 3310-2014 ,VDE-AR-N 4110:4120	