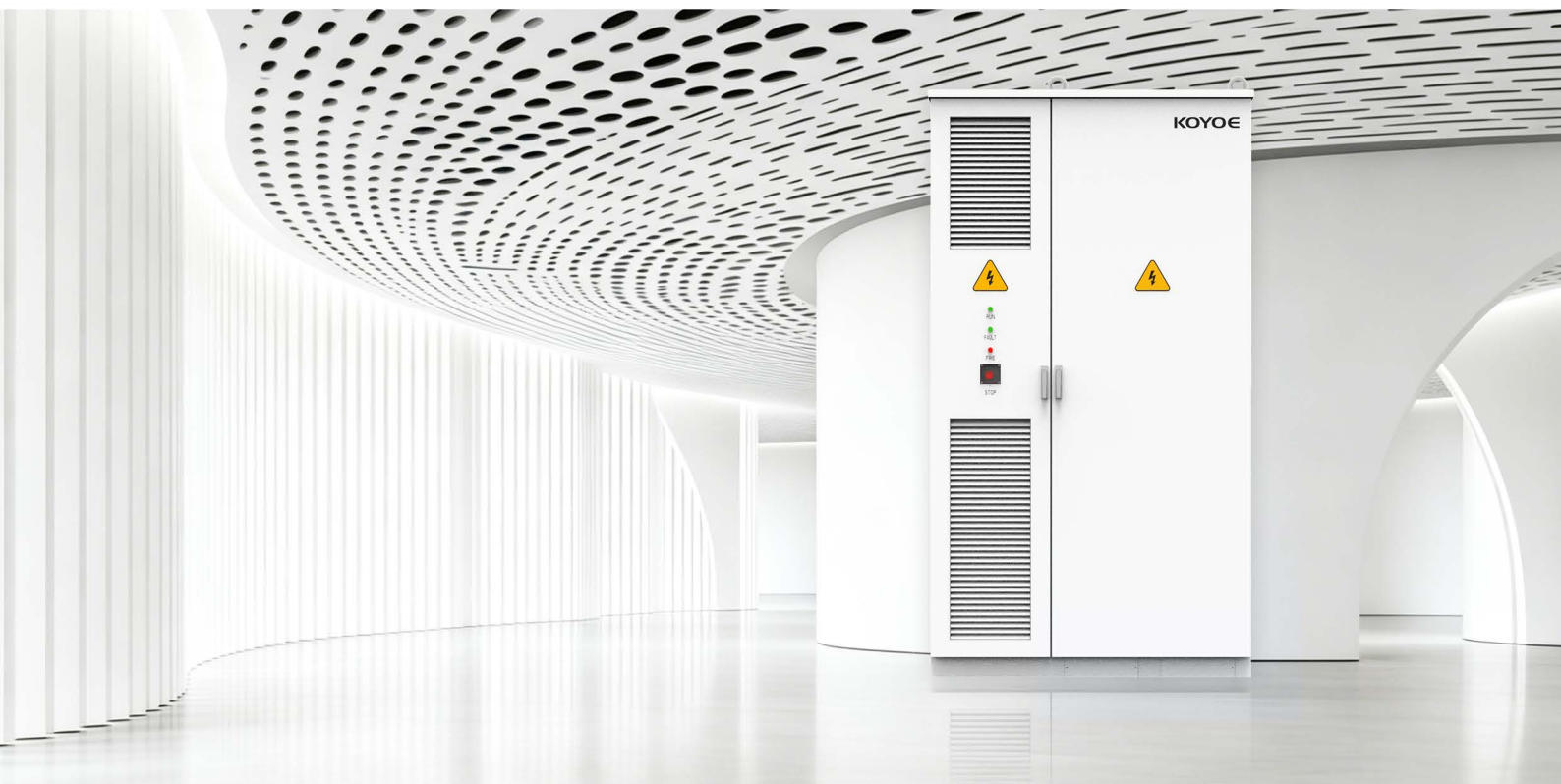


# Applicable to C&I Energy Storage Scenarios

## 125kW-522kWh (Liquid cooling) Energy Storage

### Product Models

- ◆ KYT125kW-522kWh-C



### Efficient temperature control



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

### Multi-Level Fire Protection



Accurate monitoring to prevent problems  
Multiple barriers, solid protection

### High-capacity Energy Reserve



4h Full-load  
Large Energy Storage  
Effortlessly Adapt to All Loads

### Multiple Systems in Parallel



Up to 40 units can be connected in parallel

\*Requires parallel controller (under grid connected condition)

Model	KYT125kW-522kWh-C
<b>AC Data(working with grid)</b>	
Nominal Output Power[W]	125000
Max. Apparent Output Power [VA]	137000
Max Input Power[W]	137000
Nominal Output Voltage[Vac]	380/400V,3L/N/PE
Nominal Output Frequency[Hz]	50/60
Max. Output Current[A]	200
Max. Three-phase Unbalanced Output Current[A]	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]	125000
Max. Apparent Power [VA]	137000
Nominal Output Voltage[Vac]	380/400V,3L/N/PE
Nominal Output Frequency[Hz]	50/60
Max. Three-phase Unbalanced Output Current[A]	200
Max. Output Single-phase Apparent Power[VA]	45000
Peak Output Apparent Power[VA](60s)	140000
Peak Output Apparent Power[VA](10s)	150000
On/Off grid switching time [ms]	<10ms
<b>Efficiency</b>	
Efficiency of System [%]	88 (0.5 Ccharge & 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]	125000
Cycle	Cell≥6000次, 25±2°C, 0.5C, 90%DOD, 70%
Nominal Charge/Discharge Current[A]	EOL 157/157
Number of Batteries	10
Single Battery Capacity[kWh]	52.25
Nominal Capacity[kWh]	522.5
90%DOD Available Capacity[kWh]	470.25
<b>Temperature Control System</b>	
Temperature Control System	Liquid cooling unit
<b>Fire Fighting System</b>	
Active	Detector+Aerosol+Water Fire Protection
Passive	Aerosol
Explosion-proof	Passive presure explosion-proof valve
<b>General Data</b>	
Operating Temperature Range[°C]	-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]	1580*1320*2895
Weight [kg]	4900
handling mode	Forklift and lifting ring are available
<b>Certification</b>	
Safety Standards	IEC62109-1/-2
EMC Standards	EN61000-6-1/-3,IEC61000
On-grid Standard	CEI 0-21,NRS097-2-1:2017,VDE-AR-N 4105:2018,CQC 3310-2014 ,VDE-AR-N