Commercial & Industrial Storage System

KOYOE

Applicable to C&I Energy Storage Scenarios

100/125kW-241kWh Energy Storage

Product Models

- KYT100kW-241kWh-B
- KYT125kW-241kWh-B



Plug-in Installation

Easy installation
labor saving

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)

Jiangsu Koyoe Energy Technology Co., Ltd.

No. 40, Wangwu Road, Wuzhong District, Suzhou, Jiangsu Province, China | +86 400-900-9536 | www.koyoe.com | info@koyoe.com

*Specifications are subject to the actual nameplate of the product

Model	KYT100kW-241kWh-B	KYT125kW-241Wh-B
AC Data(working with grid)		
Nominal Output Power[W]	100000	125000
Max. Apparent Output Power [VA]	110000	137000
Max Input Power[W]	110000	137000
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	
AC Data(working without grid)		
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	
Efficiency		
Efficiency of System [%]	88 (0.5C charge & discharge @25±2℃)	
Battery Data		
Battery type	LFP	
Nominal Voltage[V]	768	
Working voltage range[V]	672~876	
Battery model	KY-64V314AH	
Max. Charge/Discharge Power[W]	100000	125000
Cycle	cell ≥8000 cycles , 25±2℃, 0.5C, 90%DOD, 70%EOL	
Nominal Charge/Discharge Current[A]	130/130	160/160
Number of Batteries	12	
Single Battery Capacity[kWh]	20.09	
Nominal Capacity[kWh]	241	
90%DODAvailable Capacity[kWh]	217	
Temperature Control System		
Temperature Control System	Intelligent air conditioning	
Fire Fighting System		
Active	Detector+Condensed aerosol fire extinguishing device+Water Fire Protection	
Passive	Condensed aerosol fire extinguishing device	
Explosion-proof	Passive presure explosion-proof valve	
General Data		
Operating Temperature Range[℃]	-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]	1200*1588*2340	
Weight [kg]	2400	
handling mode	Forklift and lifting ring are available	
Certification		
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 4110:4120	

*Specifications are subject to the actual nameplate of the product