

KEEP YOUR LIGHTS ON.



C&I ENERGY STORAGE SYSTEM

TYCHE

▶ Rated Power: 100kW ▶ Capacity: 215kWh

DG, PV Supported

On-Grid/Off Grid Switching < 10ms



Multiple Sources

Can integrate with different power sources such as grid, DG, PV, etc



All-in-one Design

Integrates all things and is easy for installation



Grid Compatibility

Supports on-grid and off-grid switching in 10 ms



Intelligent Monitoring

Equipped with cloud-based monitoring capabilities



Virtual Capacity Expansion

Reduces demand fees and improves the availability of high-power equipment



Certification Complete

Equipped with 50549, VDE, CE, UN38.3, and other certifications

Model	MQK-100k-215kWh
Battery Parameters	
Module Capacity/Energy	51.2V/280AH/14.33kWh
Nominal Energy	215kWh
Operating Voltage Range	672-864V
Number of Battery Module	15
Max. Charge/discharge Current	140A/140A
Battery Module Dimension&Weight	470*775*226mm (W*H*D)/105±3kg
AC Parameters	
Nominal Power	100kW
Nominal Voltage	400V
Nominal Frequency	50/60Hz
Grid Type	3L+N+PE/3W+PE
Max. Efficiency	98.2% (Peak)
Max. Load capacity	110%(Normal operation), 120%(1min)
System Parameters	
Cooling mode	Intelligent air cooling
Noise	<78dB
IP	IP54
Altitude	<2000m (over 2000m derating)
Operating Temp. Range	-20°C~60°C
Allowed Humidity Range	≤95°C(RH)
Accessories	Smoke sensor, door sensor, water sensor, fire fighting, EPO
Galvanic Isolation	Transformer isolation
Communication	RS485/CAN/4G/Dry contact
Weight	Approx. 3000kg
Dimension(W*D*H)	Approx. 1800*1200*2300mm