

Energy Cube 105kW/261kWh

Liquid Cooling



Independent Liquid Cooling

Features liquid cooling design with low noise operation at $\leq 75\text{dB}$.



Safe & Reliable

Partitioned system isolation with active safety monitoring and PACK-level immersion fire protection technology.



Cloud-Edge Collaboration

24/7 real-time monitoring with multiple operation control modes.



Modular Design

Modular structure for easy installation and commissioning, allowing flexible expansion as needed.



DC Parameters

Battery Type	LFP	Operating Voltage Range	650V~949V
Combination Mode	1P260S	Cooling Method	Liquid cooling
Rated Capacity	314Ah	Coolant	Ethylene glycol solution (50% v)
Rated Energy	261kWh	Cycle Life	6000 cycles
Rated Voltage	832V	Fire Protection System	Perfluorohexanone + Aerosol + Water fire suppression
Rated Power	105kW\	Detector Type	Temperature, smoke, CO
Rated Charge/Discharge C-rate	0.5P		

AC Side Parameters

Rated AC Power	105kW
AC Overload Capability	115.5kW
Wiring Method	Three-phase, four-wire
Allowed Grid Voltage	380V/400V (-15%~+15%)
Allowed Grid Frequency	50Hz/60Hz $\pm 2.5\text{Hz}$
Total Harmonic Distortion (THD)	$\leq 3\%$ (at full load)
Power Factor	-0.99/-1~1
DC Component in Current	$\leq 0.5\%$
Charge/Discharge Conversion Time	$< 100\text{ms}$
Maximum Conversion Efficiency	$\geq 98\%$

System Parameters

Operating Environment	-20°C to 50°C (de-rated operation above 45°C)
Noise Level	$\leq 75\text{dB}$
Dimensions (WDH mm)	1000*1300*2500
Weight	~2.6 tons
Water Resistance Rating	Battery compartment: IP65, Electrical compartment: IP54
Allowed Relative Humidity	0-95% (non-condensing)
Maximum Altitude	$\leq 2000\text{m}$ (de-rating above 2000m)
Communication Interface	CAN, Ethernet
Communication Protocol	ModbusTCP/RTU
Certification Standards	GB/T36276-2018; IEC62619;