

# Commercial & Industrial Liquid-cooled energy storage system



\*Product picture is for reference only. Physical appearance may vary.

## Application scenarios

- New energy distribution.
- commercial buildings.
- charging stations.
- data centers.
- factory.

## System Characteristics

- Outdoor IP65 design, adapt to complex environment.
- The system cycle efficiency is as high as 85% or more.
- High energy, high density reliability battery.
- Intelligent management and scheduling.

## System composition

- lithium battery + EMS + PCS integration.
- Energy storage battery: 344kWh.

## Technical specification:

Model	Ecopower-Cube-L344
<b>Battery parameters</b>	
Battery type	Lithium iron phosphate
Cell spec	3.2V/280Ah
String configuration	1P384S
Rated energy capacity	344.064kWh
Rated voltage	DC1228.8V
Voltage range	DC1075.2~ 1401.6V
The rated charge and discharge rate	0.5C
Depth of discharge	90%
Cooling	Liquid cooling
<b>System parameters</b>	
life cycle	≥8000
Max. efficiency	≥94%
Degree of protection	IP54
Anti-corrosion rating	C3
Operating temperature range	0~55°C (Charge)
	-20~55°C (Discharge) (>45°C Derating)
Storage temperature range	-20°C~45°C (Within a month)
	0°C~35°C (Within a year)
Relative humidity	0% to 95%( non-condensing)
weight (kg)	≤3200
Fire configuration	Perfluorohexone, PACK immersion + active warning
Working altitude	≤2000 (>2000m Derating)
Dimension (WxDxH)	1300*1400*2500mm
Installation location	Outdoors
Communication	RS485, Ethernet