

# 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



## System Characteristics

- Outdoor IP54 design, adapt to complex environment
- System cycle efficiency  $\geq 90\%$
- High density battery
- Intelligent management and scheduling



## System composition

- lithium battery + EMS + PCS integration
- Energy storage battery: 215kWh
- Energy storage converter: 100kW

## Technical specification:

Model	EcoPower-Cube-L215A
<b>Battery parameters</b>	
Battery type	Lithium iron phosphate
Cell spec	3.2V/280Ah
String configuration	1P240S
Rated DC power	100kW
Rated energy capacity	215.04kWh
Rated voltage	DC768V
Voltage range	DC672~ 852V
The rated charge and discharge rate	0.5C
Cooling	Liquid cooling
<b>AC parameters (on-grid)</b>	
Rated power (kW)	100kW
Overload capacity	110%(long term), 120%(1 min)
Rated current (A)	145A
AC output	3P+N+PE
Isolation	grid-connected without isolation
ACPF	-0.99~+0.99
Rated voltage	400V(-20%~+15%)
Rated grid frequency	50Hz/60Hz $\pm$ 2.5Hz
Full power charge-discharge conversion time	<100ms
<b>AC parameters (off-grid)</b>	
Rated power (kW)	100kW
Rated voltage	AC400V
Rated grid frequency	50Hz/60Hz
THDU	$\leq 3\%$
Unbalance	100%
<b>System parameters</b>	
Max. efficiency	90%
life cycle	$\geq 8000$
Dimension (WxDxH)	1300*1400*2300mm
weight (kg)	2.6T
outlet	Bottom in and bottom out
Operating temperature range	charging:-15°C~52°C、discharging:3°C~52°C -20°C~45°C (within a month)
Storage Environment	0°C~35°C (within a year) <85%ROH(no condensation)
Relative humidity	0~95% (non-condensing)
Working altitude	Standard 2000m(>2000m Derating)
Degree of protection	IP54
Fire configuration	Aerosol, PACK level immersion + active warning
Communication	Ethernet