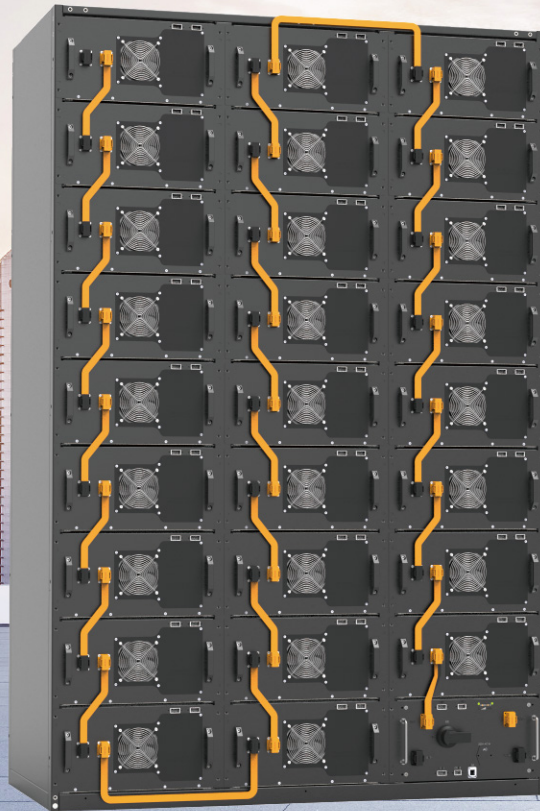


Battery System

iBAT-WBS-372H



HCENERGY
HOLD YOUR ENERGY



Six Features for Safety Protection

● High Quality Battery Cell

Long cycle life: More than 6000 cycles @ 80% DOD;

Passed International Certifications:

IEC 62619; UL 1973, UL 9540A, UN 38.3, GB/T 36276,

Meet the most stringent cell intrinsic safety requirements.

● Modular Design

Avoid short circuit, flexible buffering between cells, overall elastic restraint to reduce the influence of cell expansion;

Air duct between cells effectively control heat accumulation

& avoid thermal runaway.

● Thermal Management System

Perfect thermal management technology through simulation

and actual testing, to control the temperature rise in the

battery system to <math><5^{\circ}\text{C}</math>

● Integrated production

More than 20 complete control processes

More than 100 MES data points

More than 500 quality control points

All data upload to the cloud for long-term traceability.

● Rigorous Tests

Passed 28 safety & reliability tests, 500 performance testing.

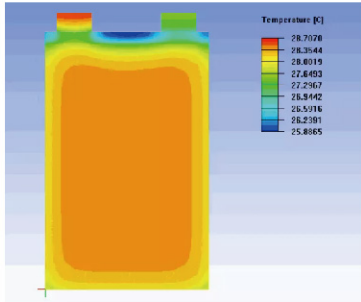
● Operation Guarantee

Two-stage battery safety management system

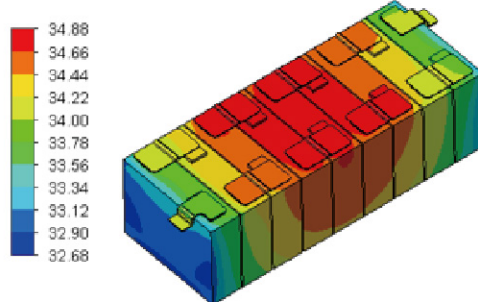
Full coverage of key sampling points to build a complete IoT

Real-time monitoring feedback, fault diagnosis and warnings

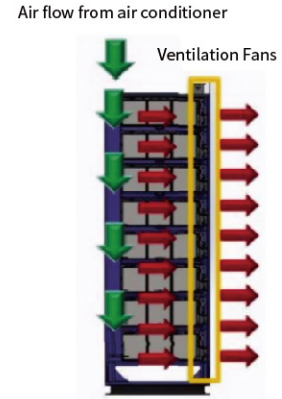
Triple protection, blocking risk spread



Battery cell temperature distribution



Battery module temperature distribution



Battery system temperature control

Model	Battery system	iBAT-WBS-372H
	Battery pack	iBAT-WM-14.33H
Technical Data	Battery type	Lithium iron phosphate
	Battery cell	3.2V, 280Ah
	Combination	1P416S
	Nominal capacity	372kWh
	Nominal voltage	1331V
	Voltage range	1040~1518.4V
	Nominal charge/discharge current	140A
	Cooling	Forced air cooling
	Permutation type	3 columns, 9 rows
	Key components	26 packs, 1 HV switch box
	Operating temperature	-30~50 °C
	Humidity	5%-90% (Non-condensing)
	Altitude	≤ 3000m
	Protection level	IP20
	Dimensions (LxWxH)	1500*810*2305 mm
Weight	2550kg	

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