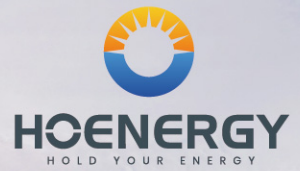


Battery System

iBAT-WBS-215H



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

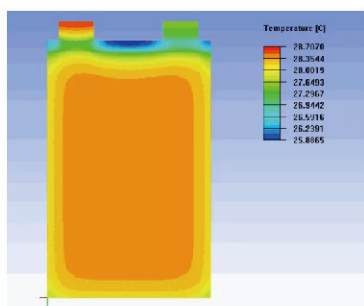
More than 20 complete control processes
More than 100 MES data points
More than 500 quality control points
All data upload to the cloud for long-term traceability.

● Rigorous Tests

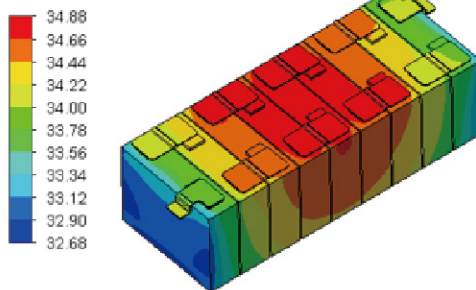
Passed 28 safety & reliability tests, 500 performance testing.

● 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

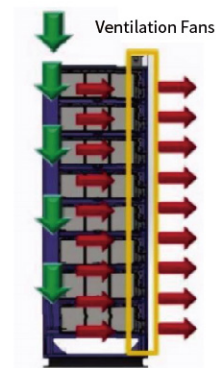


Battery cell temperature distribution



Battery module temperature distribution

Air flow from air conditioner



Battery system temperature control

Model	Battery system	iBAT-WBS-215H
	Battery pack	iBAT-WM-14.33H
Technical Data	Battery type	Lithium iron phosphate
	Battery cell	3.2V, 280Ah
	Combination	1P240S
	Nominal capacity	215kWh
	Nominal voltage	768V
	Voltage range	600~876V
	Nominal charge/discharge current	140A
	Cooling	Forced air cooling
	Permutation type	2 columns, 8 rows
	Key components	15 packs, 1 HV switch box
	Charging temperature range	0~55 °C
	Discharging temperature range	-20~55 °C
	Humidity	5%-90% (Non-condensing)
	Altitude	≤ 2000m
	Protection level	IP20
Dimensions (LxWxH)	1000*810*2058 mm	
Weight	1700kg	

Contact us:

Shanghai Hoenergy Power Technology Co.,Ltd.

Email: info@hoenergy.com.cn

Tel: +86 152 2195 1952

Website: www.hoenergypower.com

