

Battery System

iBAT-WBS-330H



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 $<5^{\circ}\text{C}$

● 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.

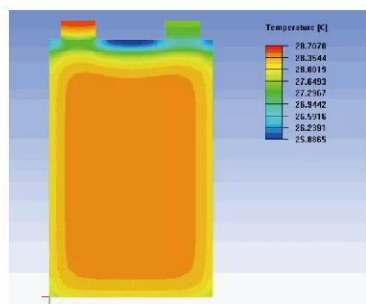
● Rigorous Tests

Passed 28 safety & reliability tests, 500 performance testing.

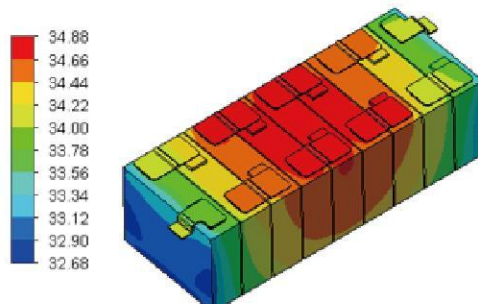
● Operation Guarantee

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

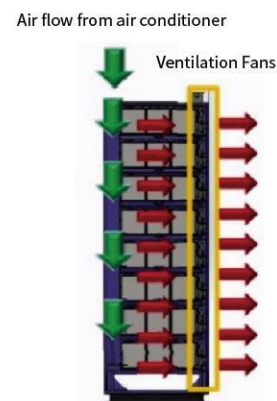
Data Sheet



Battery cell temperature distribution



Battery module temperature distribution



Battery system temperature control

Model	Battery system	iBAT-WBS-330H
	Battery pack	iBAT-WM-14.33L
Technical Data	Battery type	Lithium iron phosphate
	Battery cell	3.2V, 280Ah
	Combination	1P368S
	Nominal capacity	330kWh
	Nominal voltage	1178V
	Voltage range	920~1343V
	Nominal charge/discharge current	140A
	Cooling	Forced air cooling
	Permutation type	3 columns, 8 rows
	Key components	23 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)	1635*810*2232 mm
	Weight	2550kg