

Double-layer Explosion-proof Battery Temperature Test Chamber-KET2

Product Overview

It is suitable for quality and reliability testing of power batteries, electronics, machinery and other products, parts and materials under high temperature and simulated temperature change conditions.

Implementation standards (product manufacturing and testing)

- GB/T 2424 Related test guidelines
- GB/T 5170.1-2016 General
- GB/T 5170.2-2017 Temperature
- GB/T 10589-2008 Low temperature
- GB/T 10592-2008 High and low temperature
- GB/T 11158-2008 High temperature



Meet the standards

- GB/T 31484-2015 Requirements and test methods for cycle life of power batteries for electric vehicles
 - GB/T 31486-2015 Requirements and test methods for electrical performance of power batteries for electric vehicles
 - QC/T 743 Lithium-ion batteries for electric vehicles (old)
- QC/T 741-2015 "Supercapacitors for vehicles"
 - GB/Z 18332-2015 "Zinc-air batteries for electric road vehicles"

Technical parameter

Model		ET					
		408R	1000R	408L	1000L	408S	1000S
Interior size (mm)	W	800	1000	800	1000	800	1000
	H	850	1000	850	1000	850	1000
	D	600	1000	600	1000	600	1000
Exterior size (mm)	W	1000	1200	1000	1200	1000	1200
	H	1755	1860	1755	1860	1755	1860
	D	1340	1725	1340	1725	1340	1725
Temperature range		-20℃ to +180℃		-40℃ to +180℃		-70℃ to +180℃	
Temperature fluctuation		±0.5℃					
Temperature uniformity		≤2.0℃					
Heating rate		-20℃ to +100℃ Average 3℃/min (No load)		-40℃ to +100℃ Average 3℃/min (No load)		-70℃ to +100℃ Average 3℃/min (No load)	
Cooling rate		+20℃ to -20℃ Average 1℃/min (No load)		+20℃ to -40℃ Average 1℃/min (No load)		+20℃ to -70℃ Average 1℃/min (No load)	
Inner chamber material		SUS304 stainless steel plate, the inner tank is fully welded					
Outer chamber material		high quality cold rolled steel plate, surface electrostatic powder coating					
Insulation material		Rigid polyurethane foam insulation layer, flame retardant grade B2					
Explosion-proof window		Multi-layer vacuum glass window with electronic defog film, heat and sweat protection, Stainless steel protective net inside the glass to prevent the glass from flying in the event of an explosion					
Explosion-proof pressure relief port		When the pressure exceeds the set value, the explosion-proof door automatically opens to release the pressure inside the box to prevent damage to the equipment					
Explosion-proof chain		Add 2 explosion-proof chains on each side of the chamber door. When an explosion occurs, the chamber door can be opened a little to allow the internal air pressure to be released quickly, but it cannot be opened to injure people.					
Refrigeration system		Water-cooled					
Controller		KOME G 7-inch color touch screen intelligent controller *Operating system: KOME G KM-5166 cold output version					
Protection devices		Over-temperature protection, Compressor overload and overheating, High-voltage protection, Motor over-current protection, Over-temperature protection relay, Fan overload protection, Fuse, Dry-burning protector, Water shortage protector, Alarm action					
Standard accessories		1 window light, 4 mobile casters (with foot cups), 2 units of 50mm cable ports (with silicone plugs), 2 layers of sample racks, 1 set of lighting)					

*Note: Each parameter, size and appearance are tailored according to customer requirements.
We reserve the right to modify technical parameters.