

Power battery high and low temperature explosion proof testing chamber

Product features:

It is suitable for the climatic testing of power batteries, electronics, machinery and other parts and materials.



POWER BATTERY HIGH AND LOW TEMPERATURE EXPLOSION PROOF TESTING CHAMBER

SPECIFICATIONS

Temperature range	-40°C~+150°C
Temperature deviation	≤±2.0°C
Temperature fluctuation	±0.5°C
Temperature uniformity	≤±2.0°C
Heating and cooling rate	Heating rate: -40°C~+100°C within 45 min (no-load, environmental temperature+25°C) Cooling rate: +20°C~-40°C within 45 min (no-load, environmental temperature+25°C)
Chamber dimension	Interior size: W700 x H750 x D800mm Exterior size: about W900 x H1785 x D1860mm
Insulation box	Out wall material: Cold-rolled steel plate, thickness 1.5mm, with static color spray Inner wall material: SUS304# matte stainless steel plate, thickness 1.0mm, a certain of corrosion resistance. Insulation materials: Rigid polyurethane foam insulation layer+glass fiber
Door	Single door, open on the left, heating wire was installed at the door frames to prevent condensation at low temperature
Observation window	Install multi-layer vacuum observation window size: W210 x H270mm on the chamber door the glass is equipped with stainless steel protection net to prevent the glass from scattering during explosion (can not guarantee absolute safety)
Lighting device	LED lighting
Heater	High quality nickel-chromium alloy wire electric heater, contact-less control mode (SSR)
Water outlet hole	Available for drain the condensate water
Cable port	∅ 100mm located on both sides (each*1) with rubber stopper and plastic cover
Sample holder	4 layers of SUS316 stainless steel sample with Teflon insulation coating on the surface, carrying weight 30kg / layer
Moving casters	Moving casters*4 with foot cups
Electric control box	Total power circuit breaker, over-temperature protection
Explosive pressure relief device	When the pressure in the equipment or pipeline exceeds the safety valve pressure relief automatically open equipped with: Bursting disc, protective cover, sensor switch, exhaust fan function: a. When the test items in the box explode, there is a pressure release pipe b. Protect the test equipment from sudden air pressure damage c. Protecting people
Ventilator	When the pressure in the tank exceeds the pressure of the safety valve and opens the pressure relief valve, the exhaust fan is automatically turned on