

Double-layer Explosion-proof Battery Temperature Test Chamber

DST-2



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.



| MODEL | 408-N.D | 1000-N.D | 408-L.D | 1000-L.D | 408-U.D | 1000-U.D |
|--------------------------------------|---|----------------|---|----------------|---|----------------|
| Temperature range | -20°C to +180°C | | -40°C to +180°C | | -70°C to +180°C | |
| Temperature fluctuation | ±0.5°C | | | | | |
| Temperature uniformity | ≤2.0°C | | | | | |
| Interior size (mm) (WxHxD) | 800x850x600 | 1000x100x1000 | 800x850x600 | 1000x1000x1000 | 800x850x600 | 1000x1000x1000 |
| Exterior size (mm) | 1000x1755x1340 | 1200x1860x1725 | 1000x1755x1340 | 1200x1860x1725 | 1000x1755x1340 | 1200x1860x1725 |
| Heating | -20°C to +100°C Average 3°C/min (No load) | | -40°C to +100°C Average 3°C/min (No load) | | -70°C to +100°C Average 3°C/min (No load) | |
| Cooling rate | +20°C to -20°C Average 1°C/min (No load) | | +20°C to -40°C Average 1°C/min (No load) | | +20°C to -70°C Average 1°C/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 | 7-inch color touch screen intelligent controller *Operating system: 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 | window light, 4 mobile casters (with foot cups), 2 units of 50mm cable ports (with silicone plugs), layers of sample racks, 1 set of lighting | | | | | |