

Double-deck High & Low Temperature Chamber



Product structure

The chamber is composed of refrigeration system, heating system, control system, forced internal circulation system, exhaust box, and explosion-proof system etc.

Standard compliance

IEC60068-2-1:2007 / GB/T2423.1-2008 Low temperature testing
 IEC60068-2-2:2007 / GB/T2423.2-2008 High temperature testing
 GJB150.3-1986 High temperature testing
 CJB150.4-1986 Low temperature testing
 GB/T 31485-2015 Safety requirements and test methods for electric vehicles' power batteries

Performance parameters

Model	BTL-D2-252C	BTL-D2-288C
Single Cabinet Inner Dimension	W600 X D700 X H600 MM	W800 X D600 X H600 MM
External Dimension	W1300 X D1800 X H1950 MM	W1500*H1950*D1700 MM
Structure Mode	An integral structure with upper and lower cabinets.	
Temperature Range	-40°C to +150°C	
Temperature Fluctuation	± 0.3°C	
Heating Rate	Average 1~3° C/minute (non-linear no-load)	
Cooling Rate	Average 1.0° C/min Full rang (non-linear no-load)	
Temperature Uniformity	≤ ± 2°C (at no load, constant state)	
Observation Window	Three-layer vacuum tempered glass	
Test Terminal	12 sets of terminals are connected to the test cabinet inside and outside of the chamber	
Cooling Mode	Air cooling / Water cooling (Optional)	
Compressor	Tecumseh (France)	Bock (Germany)
Controlling Mode	Touch screen programmable control PLC, with USB interface, with RS485 .interface can be connected to computer control, special network control software, convenient remote monitoring, data acquisition	
Internal Chamber Material	1.0MM thick SUS304# stainless steel with mirror finish, sprayed with Teflon insulation	
External Chamber Material	1.2 MM thick Galvanized sheet, dusting painted with high temperature plasticized coating.	
Power Supply	AC380V 50HZ 12KW	AC380V 50HZ 14KW
Safety Protection	Automatic explosion-proof pressure relief device, explosion-proof chain, tri-color light alarm device, remote control, smoke exhaust device, fire extinguishing device, etc.	
Extension Function	Provide communication protocol, able to accompanied use with charge and discharge machine	