

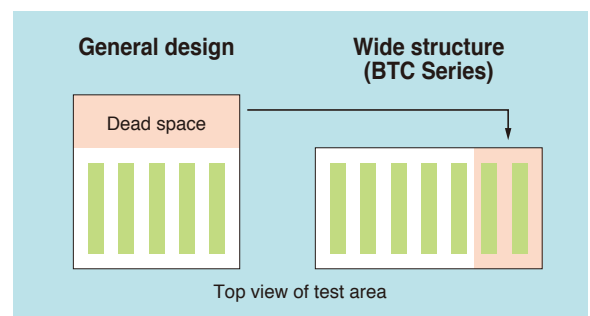
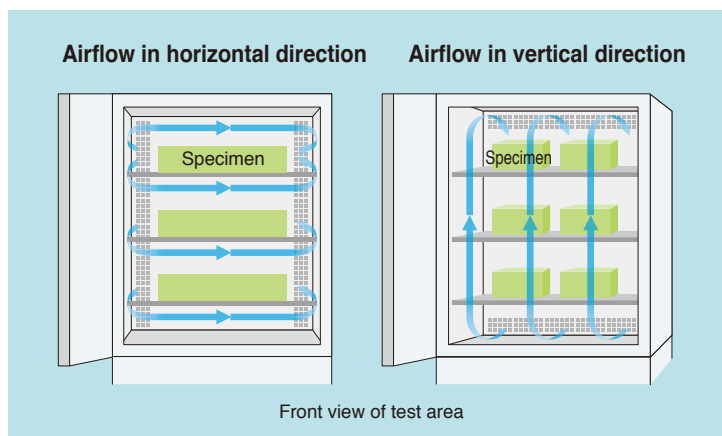
# Temperature Chamber for Charge/Discharge Testing BTC Series for EU

**NEW**

- **Safety design for battery testing:**  
Large pressure-relief vent to release high pressure from inside chamber
- **Minimized temperature variation for each batteries:**  
You can choose horizontal or vertical air flow
- **User-friendly design:**  
Safety door lock fastener type is equipped as a standard fitting
- **Space efficiency for battery setting:**  
Wide stretched design for test area for easy handling of batteries



BTC-560Hb1



Model	BTC-560Hb1	BTC-560Vb1	BTC-1120Hb1	BTC-1120Vb1
Airflow direction	Horizontal	Vertical	Horizontal	Vertical
Temperature range	- 40 to +100 °C			
Temperature change rate	Temperature range			
	- 26 °C ⇔ +86 °C			
	Heat-up rate			
2.1 K/min				
Cool-down rate				
2.2 K/min				
Air temperature deviation	1 °C		2.5 °C	
Allowable heat load	1600 W (stabilized at +20°C)		3000 W (stabilized at +20°C)	
Capacity	560 L		1120 L	
Internal dimensions	W800×H1000×D700 mm		W1600×H1000×D700 mm	
External dimensions *1	W1250×H2195×D1406 mm		W2050×H2195×D1406 mm	
Refrigerant	R449A			
Breaker capacity	AC400V 3 φ 50Hz 30A		AC400V 3 φ 50Hz 50A	
Weight	650 kg		1200 kg	

\*1 Partial protrusions not included.

## STANDARD FITTINGS

### Cable port

Right side: 1pc. 400(W)×100(H)mm  
Left side: 1pc. 400(W)×100(H)mm  
Back side: 4pcs. 100mm  $\phi$   
Rubber plugs for cable ports: 4pcs. Spiral-wrapped plugs and 2pcs. Rectangular plugs.



### Safety door lock fastener type

The fastener lock ensures a strong and simple method for locking the door.



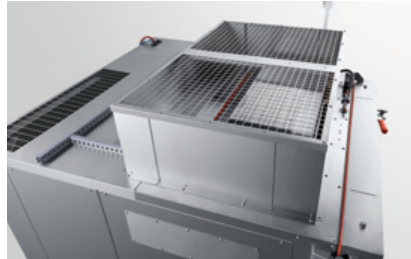
### Electromagnetic door lock

The door is closed during operation.



### Large pressure-relief vent (W700 × D300 mm)

When the chamber inside pressure goes up rapidly, the vent opens to release the pressure



### Frost-free

Continuous operation over +10°C without defrost.

- Reinforced test area floor (300 kg)
- Emergency stop switch with guard in front position
- 3-color status indicator tower light
- External input/output terminal
- Sheathed heater
- Ethernet port (LAN)



Back side

- Fire extinguisher port: 1pc. 50 mm  $\phi$

## OPTIONS

### Air supply/exhaust damper (with exhaust fan)

Outside air is taken in to replace the air in the test area.

- Gas detectors (H<sub>2</sub>, CO, H<sub>2</sub>S)
- Smoke detector
- Heat detector
- Specimen heat detector
- Door chain
- Flameproof rubber

### Viewing window with Stainless steel protection cover

Effective viewing dimensions:  
295 (W) × 380 (H) mm



- Water-cooled condenser
- Heavy duty shelf and shelf bracket (Load capacity: 50 kg)
- Heavy duty shelf and shelf bracket (Load capacity: 100 kg)
- RS-485/RS-232C communication function interface
- Anchoring fixtures