

PROVENTIA EVA Climatic

Module for Climatic Battery Pack Testing



PROVENTIA EVA CLIMATIC is the state-of-the-art test chamber for the climatic testing of battery packs and modules. EVA Climatic is developed in collaboration with Keysight Technologies. It delivers a location-independent and safe test laboratory with a rapid implementation and deployment time.

Modular EVA Climatic reduces investment time and costs with scalability that enables customers to choose from the right-sized test chambers. It offers a fast lane for increasing your battery testing capacity and accelerating the time-to-market of your battery products.

Proventia EVA Climatic modules enable real-world performance simulation, charging and discharging performance testing and the effects of temperature and humidity to be tested. The module can be located inside or outside a building.

ALL-IN-ONE

PERFORMANCE FEATURES

Cycler Power example

540 kW with 2xSL1740 from Keysight

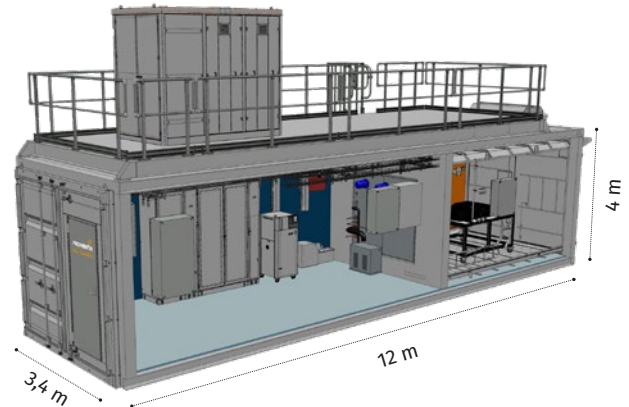
Temperature range -40 °C – +80 °C

Temperature change rate 1-3 K/min

Humidity range 10–80 °C, 10–90% RH, +-5% RH

Includes Keysight PathWave Cell Cycler Manager

Delivered with Keysight SL1740 Battery Test System



SAFETY FEATURES

Delivered standard as Hazard level 4

- Door access control
- Warning signals
- Fire detection
- Breather valve

Hazard level 6 option

- Burst Disc
- Fire suppression & gas detection
- Purge fan for gases

STANDARDS AND DIRECTIVES

- Designed to European Machine Directive ISO 2006/42/EY
- Functional safety concept according to EN ISO 13849-1:2008 with performance rating up to Cat. 4, PL e
- Designed to follow European fire regulation EI60



- Test cell door monitoring and access control
- Test cell operational mode and stack light control
- Fire detection and suppression
- Gas detection

- Test cell ventilation
- Remote video monitoring of test space and DUT
- Easy operation through touchscreen controls and remote access
- Extensive self-diagnostics for infrastructure and safety systems
- Utilises Beckhoff hardware with global support for parts and service

Contact us

Get in touch, and we will be happy to tell you more!

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