



ENERGY & POWER TECHNOLOGIES

Rely on a State-of-the-Art Electrical Lab in the Middle East

For low voltage switchgear and controlgear assemblies



Approval from DAkkS Germany for low voltage switchgear and controlgear assemblies under ISO/IEC 17025 enables UL-AG Abu Dhabi Lab to carry our tests for performance and safety according to IEC Standards

The UL electrical testing laboratory in Abu Dhabi, UL-AG Abu Dhabi, is the first UL electrical lab in the Middle East offering advanced capabilities and equipment to support the testing of power switchgear and controlgear assemblies, distribution boards, busbar trunking systems, empty enclosures and packaged substations. Approval from DAkkS Germany for low voltage switchgear and controlgear under ISO/IEC 17025 enables UL to carry out tests for performance and safety related requirements as per IEC Standards.

UL-AG Abu Dhabi offers testing to determine a product’s eligibility for a UL type examination certificate. The facility offers a variety of tests which are able to aid manufacturers in producing products suitable to their local utilities’ needs.



LV Assembly Product Categories	UL TEC/UL Classification Mark	Type Examination/Listing
LV Switchgear and Controlgear Assembly	IEC 61439-1 & 2 UL 67, UL 891, UL 845	All tests except short circuit
LV Distribution Boards	IEC 61439-1 & 3	All tests except short circuit
Assemblies for Public Networks	IEC 61439-1 & 5	All tests except short circuit
LV Busway	IEC 61439-1 & 6 UL 857	All tests except short circuit, flame and fire tests
Empty Enclosure	IEC 62208 UL50/UL50E/NEMA 250	All tests
Cable Trays	IEC 61084 1 NEMA VE-1	All tests

For more information, contact us at +971 (0) 4 5585900, or via email at ULmiddleeast@ul.com .
UL-AG Abu-Dhabi, Plot No. 106B-2, ICAD-1, P.O.Box 127557, ABU-DHABI



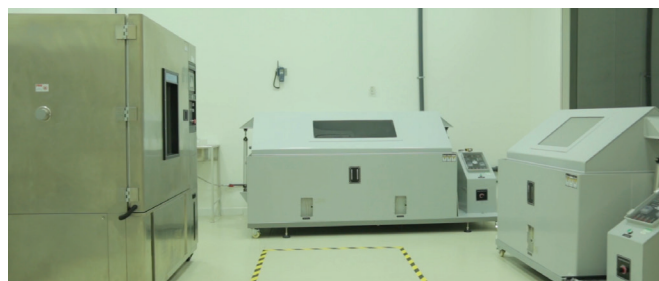
UL-AG Abu Dhabi was designed and built using Lean Sigma methodology and has testing areas separated by zone for conducting electrical, mechanical, climatic, performance and dielectric tests.

HEAT ZONE



- Walk in chamber measuring 8m width x 12m length x 4m height
- Elevated ambient temperature: up to 70°C
- Cumulative test current: 20kA

ENVIRONMENTAL ZONE



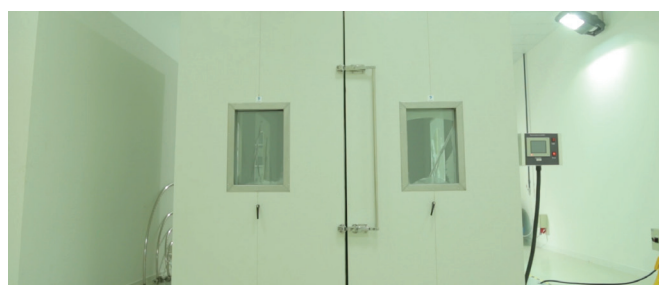
- Environmental test facility
- Capabilities include corrosion and dry heat, insulating material, thermal stability, and glow wire testing

AQUA ZONE



- Water test facility with a rotating table of 4 ton capacity
- Rain test, hosedown test, drip test as per UL/NEMA and IEC standards
- Ratings up to IP X6

DUST ZONE



- One of the biggest dust chambers in this region measuring 2.5m width x 4.5 m length x 3m height
- Ratings up to IP 6X

MECHANICAL TEST FACILITY

- Lifting test: Mechanical impact up IK20
- Ability to withstand mechanical loads for busway testing
- Static and axial loading test facility for empty enclosure

DIELECTRIC PROPERTIES

- Power frequency withstand voltage test
- Impulse withstand voltage test

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