

EMC PARTNER APPLICATIONS

EV Charging Stations



EV CHARGING STATIONS



EMC PARTNER is a provider of EMC test solutions with voltage capabilities up to 690 Vac / 1500 Vdc and currents up to 200A covering a wide range of EV charging stations applications. Our portfolio includes compact impulse generators, CDNs and accessories to perform conducted immunity tests on EV off-board charger, EV on-board charger as well as EV WPT charging stations according to international IEC standards.

AC on-board charger

Mode 3

Applied Standards:

- › IEC 61851-1
- › IEC 61851-21-1
- › IEC 62752



AC

DC off-board charger

DC

Mode 4

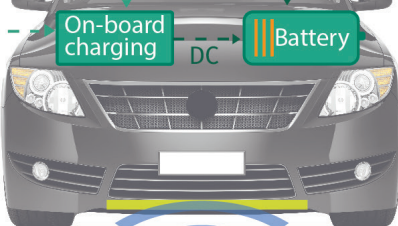
Applied Standards:

- › IEC 61851-1
- › IEC 61851-23
- › IEC 61851-21-2

Mode 2



ICCB Box



WPT charger

Applied Standards:

- › IEC 61980-1

Test types

- › EFT Transients as per IEC 61000-4-4
- › CWG Impulses as per IEC 61000-4-5
- › AC Dips and Variations as per IEC 61000-4-11 and IEC 61000-4-34
- › Magnet Fields as per IEC 61000-4-8
- › ESD as per IEC 61000-4-2 and ISO 10605
- › 1.2/50µs Insulation Test as per IEC 60664-1



IMU-MGS

Most compact and reliable generator with an integrated 16A CDN for EFT/BURST, surge up to 5kV, dips/interrupts and ESD extension.



INS-1250

Fastest compact impulse insulation testers 1.2/50 μ s from 500V to 30kV with breakdown detection and report handling in generator.



ESD3000

AA-Battery operated handheld ESD simulator up to 30kV. Modular design with networks for a broad range of standards and applications.



Coupling/Decoupling Networks CDN-A / CDN-M

CDN with voltage capability up to 690 Vac per phase, 1500 Vdc and selectable current ranges up to 200A.



AC Dips & Variation PFS75/SEC75

3-Phase dips generator and transformer suitable for both star and delta connections with selectable dips levels.



Resistance-Diode Network DC-DCxx

Network as per IEC 61000-4-5 ED3 AMD1 with selectable resistance value to eliminate underswings caused by the decoupling networks.

MORE OPTIONS & COMFORT



- > Coil for magnetic field up to 100A/m
- > Coupling clamp for signal lines
- > Calibration kits according to the latest test standards
- > And much more...

TEMA3000 - SOFTWARE TEST SUITE


Create and manage Tests and Sequences. Integrate DSO measurements in professional reports. Import and export Test Setups and Sequences. Smart test functions and predefined Test Library.



APPLICATION
INFORMATION

For further information please do not hesitate to contact your local EMC PARTNER AG representative.
Visit our website for more information and contact details.

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