



APPLICATION SHEET

SOLAR POWER INVERTERS



The move away from fossil fuels has led to an increase in solar and wind energy. Solar panels produce electrical energy that is DC. To make this usable in the power grid, it must first be converted to AC at the correct amplitude and frequency synchronised with established generators. Solar panel inverters have DC inputs and AC outputs. Both must be tested for EMC as well as electrical safety. Specialist high current Coupling Decoupling Networks are needed that can work with EFT/Burst, Surge and Ringwave impulses.

Test types

- › 1.2/50µs Voltage Insulation
- › EFT/Burst + CWG Impulses
- › 100 kHz Ringwave
- › AC DIPS / Variations
- › AC and Impulse Magnetic field
- › ESD

Standards

- › IEC 62920
- › IEC 62109-1
- › IEC 60664-1
- › IEC 62109-2
- › IEC 62909-1

IMU-MGE



Compact generator for EFT/Burst, SURGE, 100 kHz Ringwave and 10/700 impulses up to 8KV. Integrated 16 A CDN. Extend with ESD, Dips/Interrupts and Common Mode.

INS-1250



INS-1250 series generate a voltage impulse for insulation testing. The low energy impulses are ideal for testing without damage or destruction of the test object. This generator is ideal for isolation testing of semiconductor devices.

ESD3000



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

MORE OPTIONS & COMFORT



Touch panel technology and a mature operating system interface IMU generators with the new CDN range enabling greater flexibility and adding new capabilities.

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