

UNIVERSAL TEST SYSTEM

PHOTOVOLTAIC INVERTERS
BATTERY CHARACTERISTICS
EMC TESTING
GRID SIMULATION



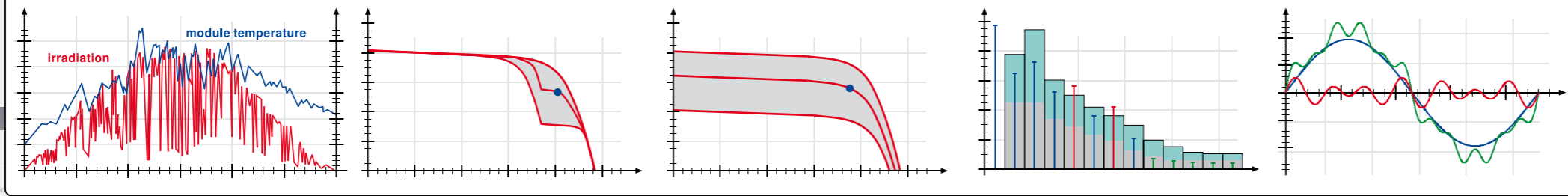
WE GET VOLTAGE INTO SHAPE

UNIVERSAL TEST SYSTEM – power up to 1 MW

Efficiency measurements of solar inverters and anti-islanding testing
Simulation of battery systems – charge and discharge

Full compliance emission and immunity EMC testing
Grid and power system simulation

SPS TestManager / SPS InverterTest



SPS Photovoltaic
Control software for MPP-Tracking, anti-islanding test and measurement of power efficiency

PHOTOVOLTAIC SIMULATOR
Simulation of I/V curves acc. to EN 50530

BATTERY SIMULATOR
Battery characteristics e.g. charge and discharge

SOLAR INVERTER (bi-directional)
EUT

POWER ANALYSER
Efficiency measurement tripping time power factor

RLC LOAD
Anti-islanding testing acc. to IEC 62116

SPS EMC
Test and measurement software for fully compliant emission and immunity tests

ANALYSER
Harmonics and Flicker acc. to IEC 61000-3-2 / -3-3

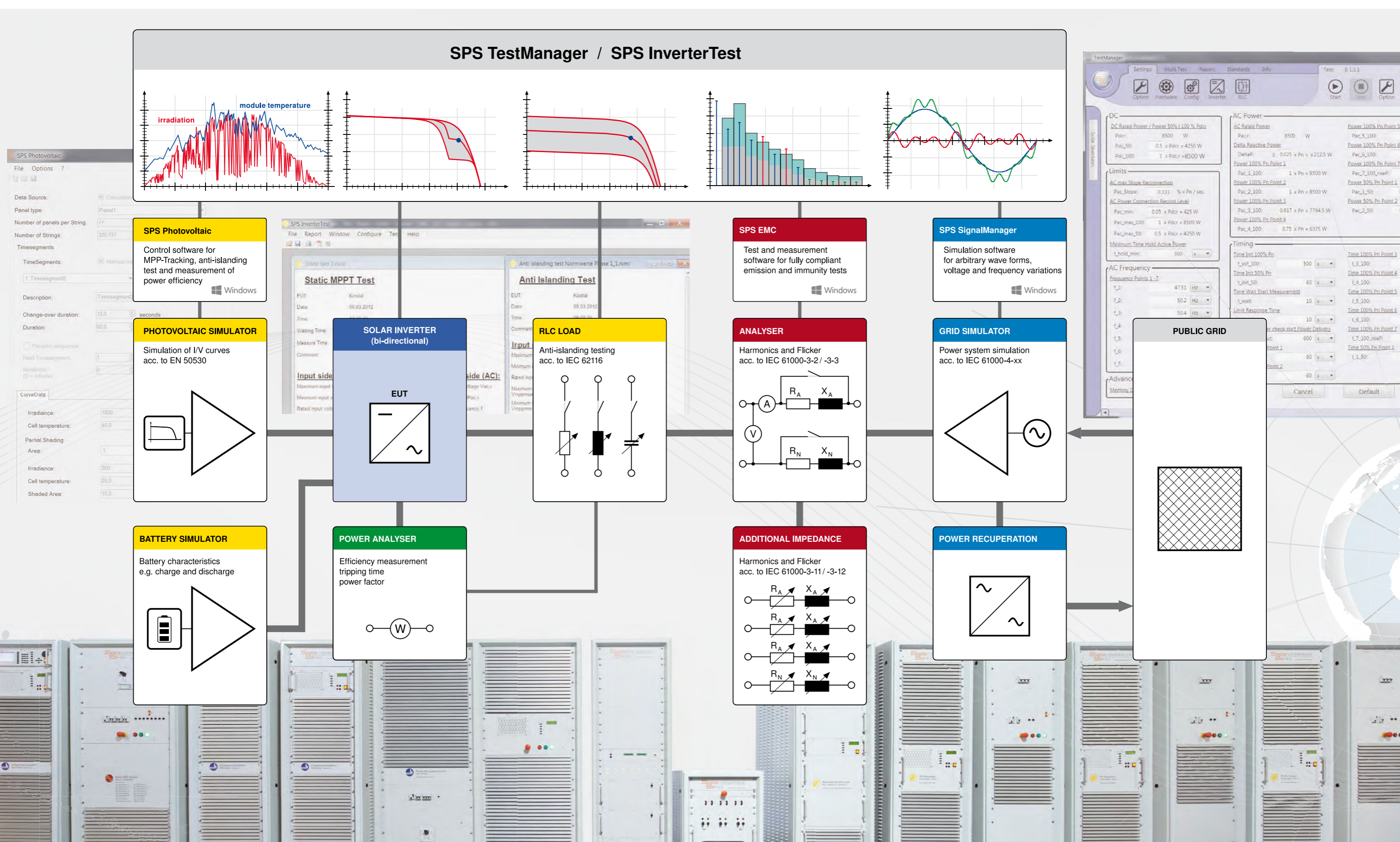
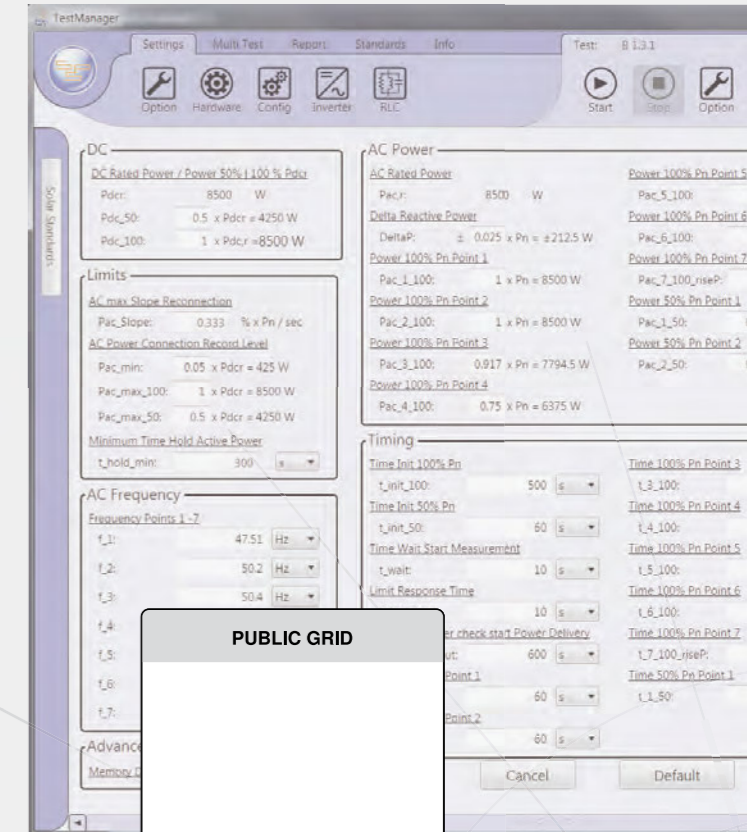
ADDITIONAL IMPEDANCE
Harmonics and Flicker acc. to IEC 61000-3-11 / -3-12

SPS SignalManager
Simulation software for arbitrary wave forms, voltage and frequency variations

GRID SIMULATOR
Power system simulation acc. to IEC 61000-4-xx

POWER RECUPERATION

PUBLIC GRID





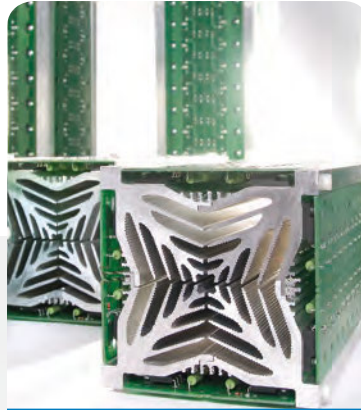
PHOTOVOLTAIC

Photovoltaic Simulators
Testing of solar inverters
according to EN 50530



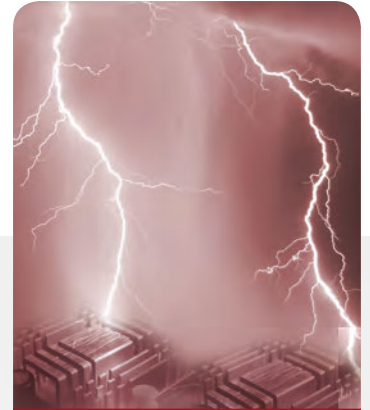
AUTOMOTIVE

2-/4-Quadrant Amplifiers
Testing of drive systems /
battery simulations



POWER AMPLIFIER

AC/DC 4-Quadrant Amplifiers
Current and voltage sources /
power system simulation



EMC TESTING

Basic EMC System
Fully compliant emission
and immunity tests



**WIR BRINGEN SPANNUNG IN FORM
WE GET VOLTAGE INTO SHAPE**



München
04.06.-06.06.



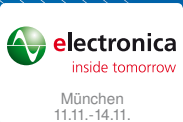
San Francisco
08.07.-10.07.



Amsterdam
23.-25.09.



Las Vegas
20.10.-23.10.



München
11.11.-14.11.



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