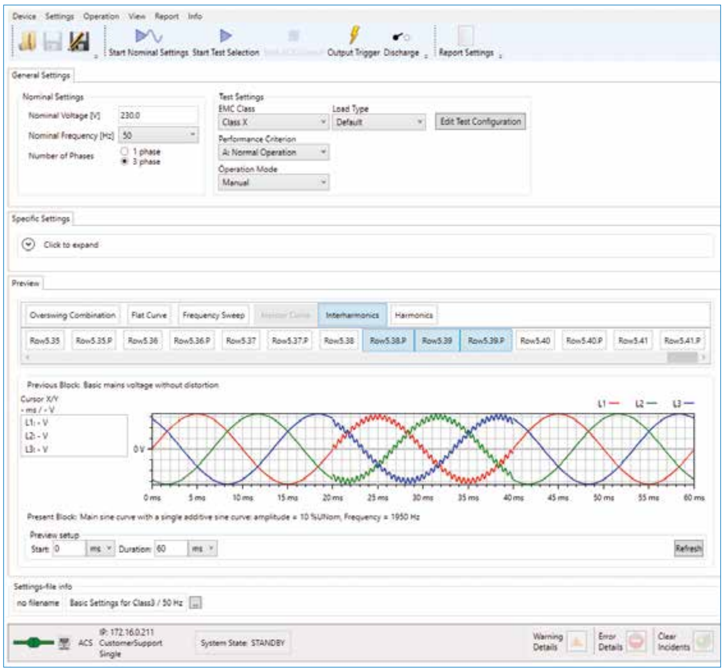
Your Entry To:

TC.ACS Programmable
AC Source-Sink Series

- Regenerative Grid Simulation
- P-HIL Amplifier
- Complex Electronic Load
- EMC Compliance Testing
- Anti-Islanding Testing

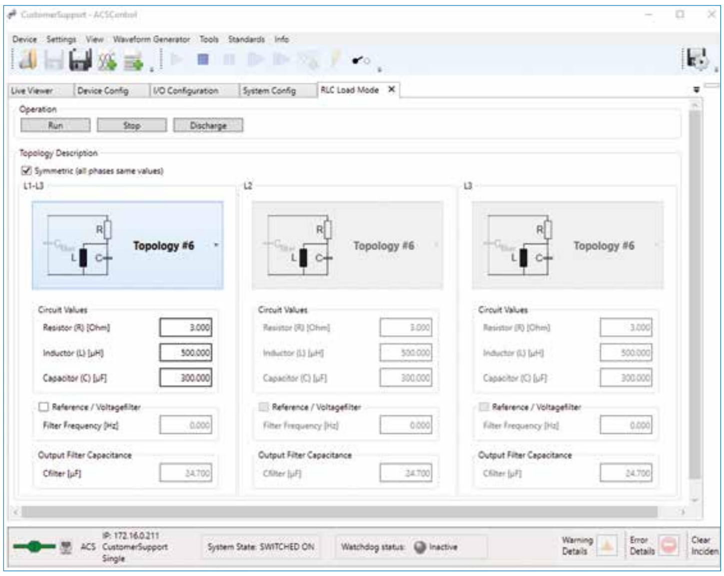
EMC Testing

- User-friendly GUI with preconfigured IEC/EN Standard Tests
- Test Report Generator included

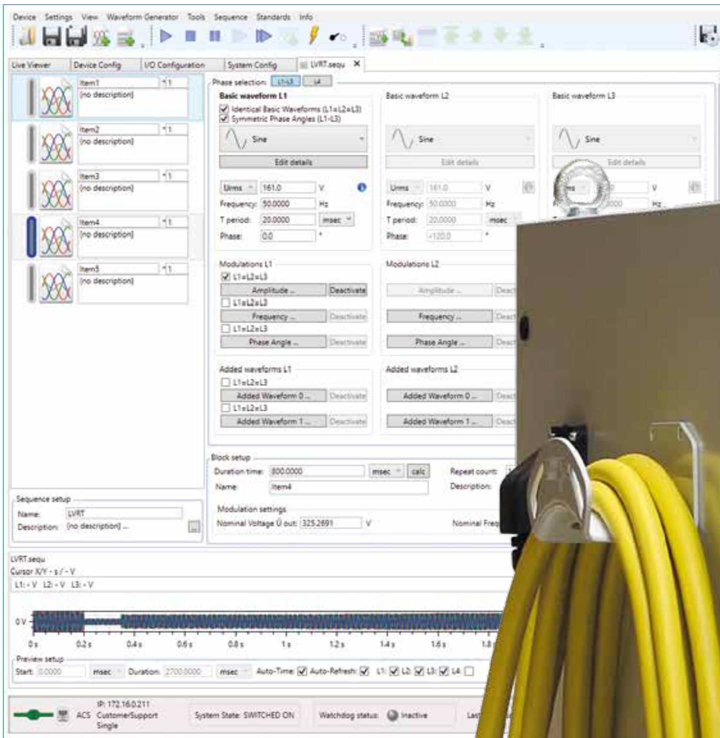


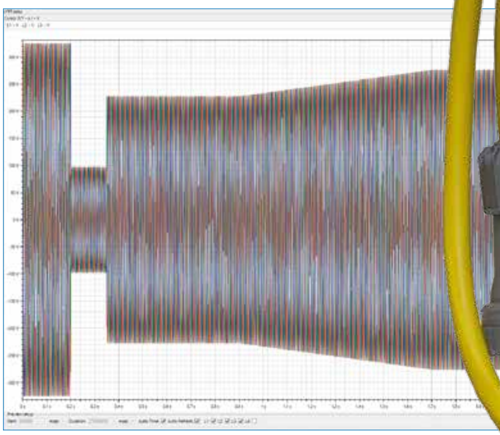
RLC AC Load Simulation

- Anti-Islanding Testing
- Simple Motor Simulations



Versatile Application Software for Grid Simulation





Perform Multifunctional 4-Q Grid Simulations

LVRT, HVRT, FRT, Disturbances and many more

TC.ACS Programmable AC Source-Sink Series

The Most Attractive All-Rounder

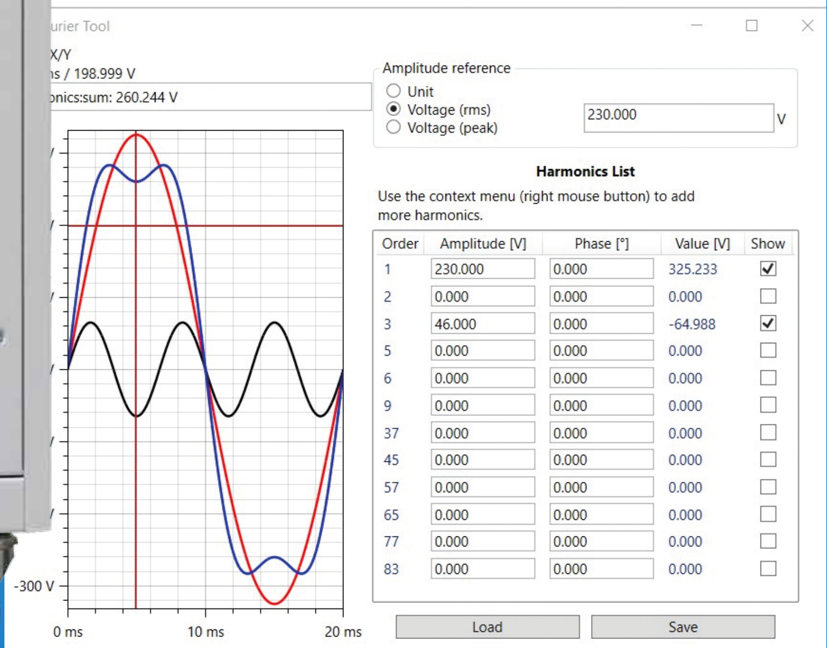
Typical Mobile 30 or 50 kVA Grid Simulator

e.g. PV Inverter or OBC Testing

- Full 4 quadrant regenerative Grid Simulator
- Full 4 quadrant Amplifier for P-HIL
- Self-contained RLC AC Load Simulation
- 30 or 50 kVA power modules
- 1 kHz fundamental / 5 kHz modulation bandwith
- Scalable from a few kVA up to 2000+ kVA range

Fourier Tool

Generate Harmonics



REGATRON Performance. Precision. Quality.

TC.ACS Programmable AC Source-Sink Series

Technical Data of TC.ACS Basic Units

Loadside Ratings	TC.ACS.30.528.4WR.LC	TC.ACS.50.528.4WR.LC
Voltage	$3 \times 0...305\ V_{RMS}$ (L-N) $1 \times 0...610\ V_{RMS}$ (L-L)	
Current	$3 \times 0...43\ A_{RMS}$ $1 \times 0...86\ A_{RMS}$	$3 \times 0...72\ A_{RMS}$ $1 \times 0...144\ A_{RMS}$
Frequency range	From DC to 1000 Hz (reduced current in the range from DC to 16 Hz)	
Modulation bandwith	0...5000 Hz (up to the 100th harmonic @50 Hz and 83rd harmonic @60 Hz)	
Slew rate	≤4 V/µs (10...90% step of full scale ≤100 µs)	
Static accuracy voltage	RMS-controller: 0.05% FS General: <1.5 V	
Power factor	0...1	
Overloadability	≤200% up to 1s every 60s ≤150% up to 10s every 600s	
Topology	3L + active N	
Phase connections	3L + N, 2L (double voltage / double current), 1L + N (double current)	
Time delay analog interface (P-HIL interface)	Analog input to power output: <70 µs Measurements power output to analog output: <70 µs	

Advanced Modular Concept from 30 kVA to 2000+ kVA

50+ years of innovation since 1969

For detailed technical information, contact REGATRON or your local sales partner.

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