

CSU-200 (200kVA)



CSU-100 (100kVA)



COMPISO SYSTEM UNIT

SCALABLE POWER ELECTRONICS TEST SYSTEM



COMPISO – DIGITAL POWER TWIN

The most versatile platform for emulation and testing of power electronics systems



High Power

Galvanically isolated up to 1.2 MVA



Ultra-high Bandwidth

DC to 5 kHz at full power

DC to 15 kHz for small signals



4-Quadrant Operation

Seamless transition between source & load

Regenerative up to full power



Fast Response Time

Fiber optic interface to EGSTON apps and external HIL systems

USE CASES

- Power Hardware-in-the-loop
- Grid Emulator
- Machine Emulator
- AC/DC Source/Sink
- Certification
- Testing
- Impedance Spectroscopy
- RLC Load
- All-in-one Emulator

SAVE TIME AND MONEY

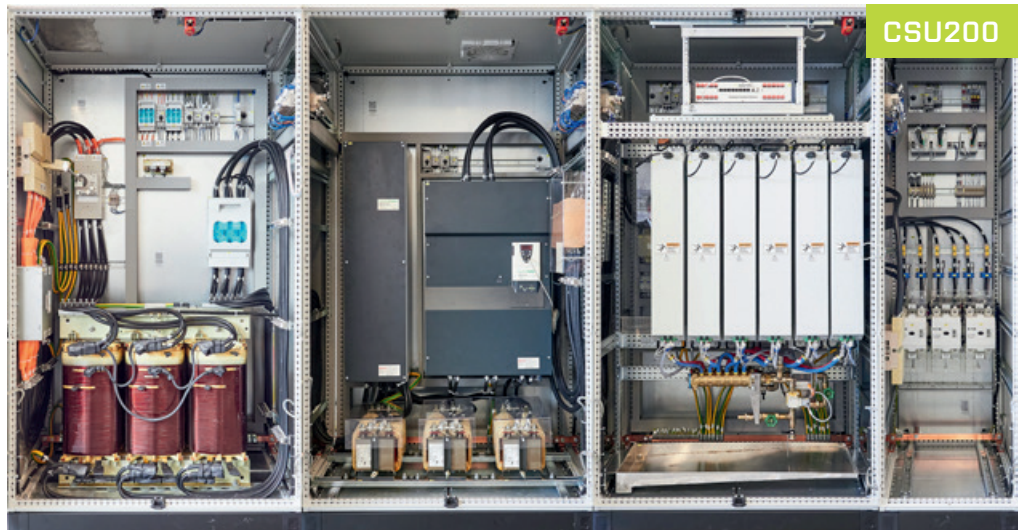
- Reduce development time
- Regenerate power
- Test power interfaces
- Analyze fault scenarios
- Model and validate control algorithms



[PLAY VIDEOS](#)

DATA

	CSU100	CSU200
Output power	100 kW	200 kW
Scalable up to	600 kW	1200 kW
Input	Galvanically isolated 400 V/50 Hz or 480 V/60 Hz	
Max AC voltage	480 V Line-to-Line	
Max AC current	120 A (3-Ph) 240 A (1-Ph)	240 A (3-Ph) 360 A (1-Ph)
Max DC voltage	820 V	
Max DC current	560 A	840 A
Voltage accuracy	0.1%	
Current accuracy	0.56%	
Frequency accuracy	1 mHz	
Switching frequency	125 kHz	
Peak efficiency	95%	
Voltage slew rate	12 V/ μ s	
Overload	120% for 60s (DC)	
Programming interfaces	Modbus, MATLAB, Python, Java, C/C++	
Communication interfaces	SFP (Fiber Optics), Ethernet, Analog	



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