

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
- Analyse fault scenarios
- Model and validate control algorithms



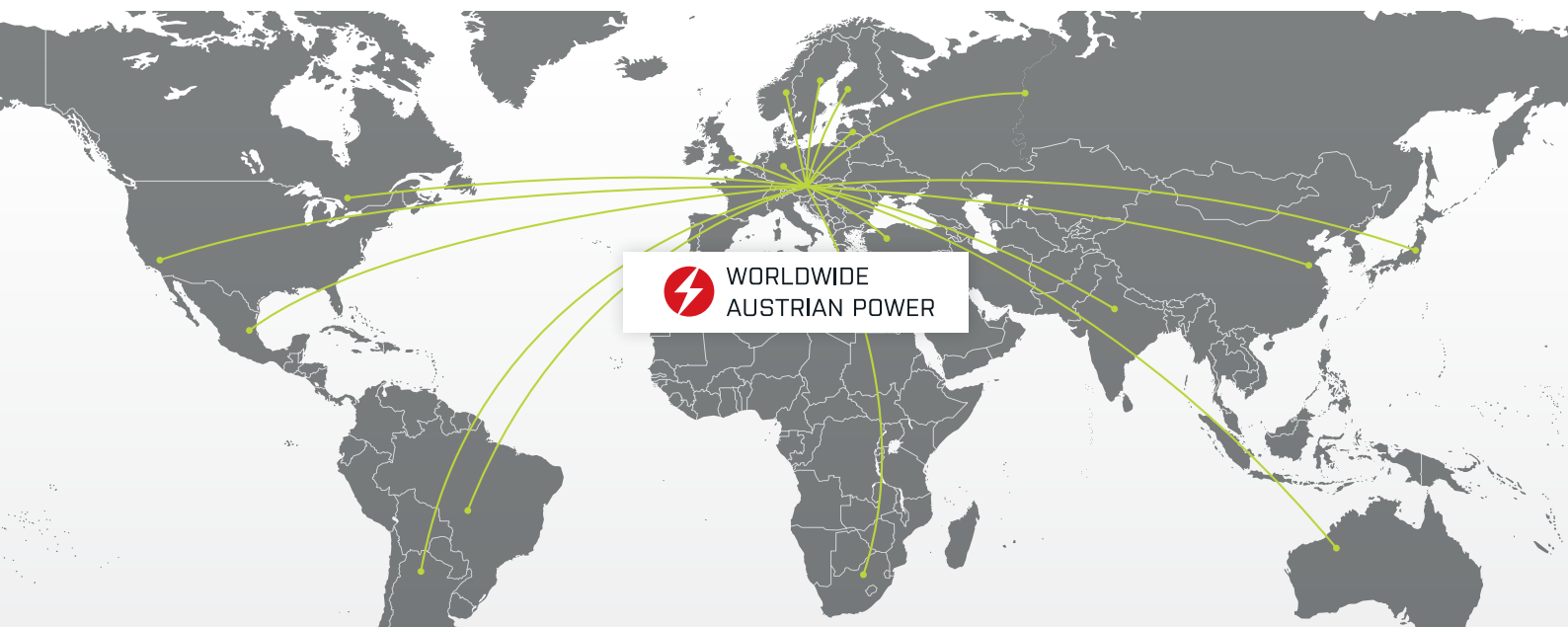
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# DATA

	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/ $\mu$ s	
Overload	120% for 60s (DC)	
Programming Interfaces	Modbus, Mathlab, Python, Java, C/C++	
Communication Interfaces	SFP (Fiber Optics), Ethernet, Analog	



# WORLDWIDE AUSTRIAN POWER



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+43 2243 21288 – 0  
[www.egstonpower.com](http://www.egstonpower.com)



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EGSTON Power Electronics GmbH  
Inkustrasse 1-7, Stiege 2  
3400 Klosterneuburg, Austria

T +43 2243 21288 - 0  
E [info@egstonpower.com](mailto:info@egstonpower.com)  
[www.egstonpower.com](http://www.egstonpower.com)