

Replace EOL NHR Systems with Pacific Power Source

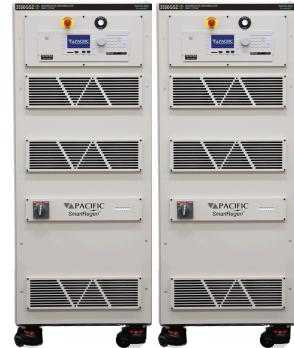
NHR 9510 vs. PPS RGS OR GSZ Series Comparison



NHR 9510



Pacific Power RGS



Pacific Power GSZ

- Higher distortion THD
- More switching noise, audibly louder
- Limited software solution, and no pre-written test sequences
- CC, CP, CR load modes only.
- No Circuit Emulation Mode
- No CE or NRTL agency approvals
- PHIL standard

- Higher Power Density up to 21kW / 4U
- 5 x 21kW per cabinet (20U)
- Higher DC Voltage up to 500V
- *Zero Voltage* Starting Range
- Load Modes: CC, CP, CR, CP+CR, CS Rectifier
- 2s Overload Capability
- Better Built-in Smart S/W Solution
- Firmware updates for latest enhancements
- Excellent, accessible support teams with NHR Experience
- Enhanced RTC Controller & PHIL coming Q2 2026

- Higher Max Power up to 1.1MW
- Higher Dual Voltage Range up to 831VLL and 680Vdc
- *Zero Voltage* starting range
- More Max Current Capability
- Enhanced Controller & PHIL Interface
- Load Modes; CC, CP, CR, CR+CC, CS Rectifier, AND Circuit Emulation
- Anti-islanding Test Function Option
- Flexible Multi-Output Configuration
- Better Built-in Smart S/W Solution
- Firmware updates for latest enhancements
- Excellent, accessible support teams with NHR Experience
- PHIL standard

Why Choose Pacific Power Source?



Aside from our high-performance solutions, our in-house engineering development and application teams have extensive, hands-on knowledge of NHR products. *You might even recognize some similar faces.* Save time and headaches. We have the know-how and solutions to help you transition seamlessly. Contact us, today.

ADVANCED TECH

We invest in R&D and Innovation. to add customer value using the latest technology and approaches.

FUTURE PROOFING

Our solutions are safe, reliable, and flexible. designed to evolve with technology.

EXPERTISE

Unlike other vendors, our engineering and application teams are well-versed in NHR products. Help is within easy reach.

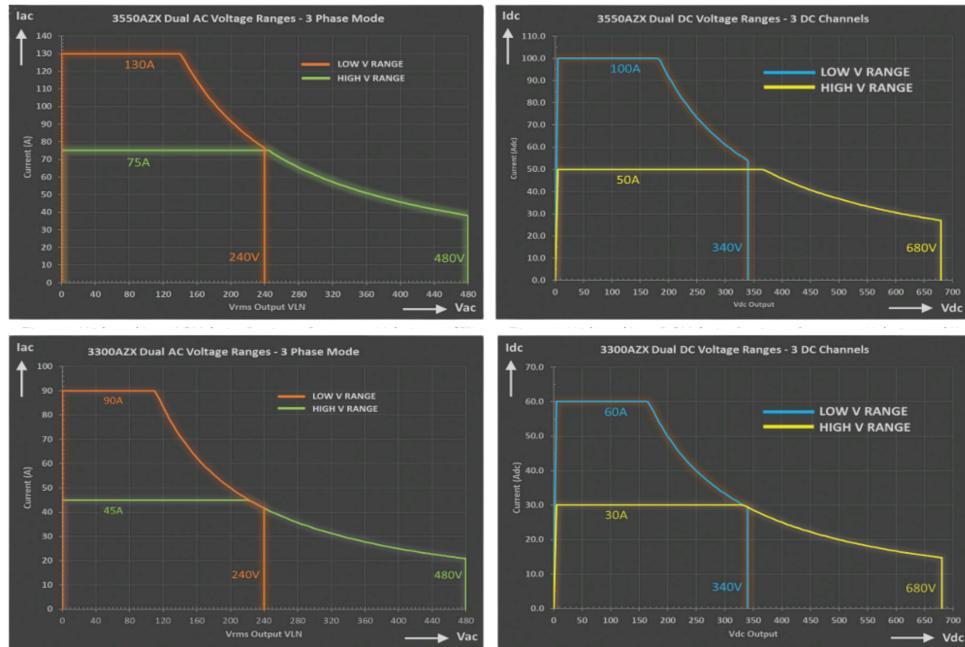
Comparison of Banner Specs

*Based on highest power configuration in single unit.

Key Features	NHR 9510	Pacific Power RGS Series	Pacific Power GSZ Series
Power Density	up to 100kW	Modular Set Up ~5 x 21kW units / 32U	2 x 55kW Cabinets
Voltage	<i>Lower Voltage Range</i> 10-350VLN / 17-606VLL; 10-175VLN / 17-303VL; 10 - 200Vdc; 10 - 400Vdc	Higher Voltage 0-350VLN / 0-606VLL (0-365VLN / 0-632VLL Option) Higher DC Voltage up to 500Vdc	Higher Dual Voltage Range 0-480VLN / 0-831VLL and 0-240VLN / 0-416VLL; DC Voltage 0-340Vdc and 0-680Vdc
Current	3ø Mode: 200 Arms; 1ø Mode: 600 Arms	3ø Mode: 208 Arms; 1ø Mode: 625 Arms	Low Vrng: 3ø Mode: 260 Arms; 1ø Mode: 1ø Mode: 780 Arms Hi Vrng: 3ø Mode: 150 Arms; 1ø Mode: 390 Arms
Power	Parallel max up to 1.2MW	Parallel max up to 252kW. Three-Phase Systems to 756kW	Parallel max up to 550kW. Three-Phase Systems to 1.1MW
Frequency	<i>No High Frequency Options</i> 30-120 Hz	Higher Frequency 15-200Hz (Option15 to 1200Hz)	Higher Frequency 15-200Hz (Option15 to 1000Hz)
Output Switching Noise	Noisy < 800mVrms	Very Low Noise < 150mVrms	Lower Noise <500mVrms
THD	< 70Hz: 0.45% (Typ.) 0.65% (Max); > 70Hz: 0.6% (Typ.) 0.85% (Max)	50/60Hz, < 0.2%; 60~100 Hz, < 0.5%; 100~200 Hz, < 1.0% ~ 1.5%	< 100 Hz: < 0.2%; 100~1000 Hz, < 0.2% + 0.125%/100Hz
PHIL	Yes	Q2 2026	Yes
Output Forms	Multi-Channel 5 (3x 1 Phs, 2 x 1Phs + 1 Ph, 1 Phs, Split-Phs + 1 Phs, 3 Phs)	Multi-Channel 6 (1 Phs, Split-Phs, 3 Phs, 2 x 1 Phs, 3 x 1 Ph, Split-Phs + 1 Phs)	Multi-Channel 6 (1 Phs, Split-Phs, 3 Phs, 2 x 1 Phs, 3 x 1 Ph, Split-Phs + 1 Phs)
Interfaces	<i>Limited</i> LAN (SCPI Syntax)	LAN, GPIB, RS232 & USB, CAN FD/ModBus, Analog	LAN, GPIB, RS232 & USB, CAN FD/ModBus, Analog
Software	Enerchron	Better Software Capabilities Built-In Web-Browser-Based SmartSource Suite and Pre-Written Test Sequences.	Better Software Capabilities Built-In Web-Browser-Based SmartSource Suite and Pre-Written Test Sequences.
Regulatory	None	CE / NRTL Nemko US/Canada	CE / NRTL Nemko US/Canada

Get Higher Voltage

Compared to the NHR 9510 which only goes up to 606VLL and 400Vdc, Pacific Power's GSZ Series provides much higher voltage, up to 831VLL and 680Vdc. The RGS series also provides a higher range up to 631VLL and 500Vdc.



GSZ Series Provides Higher Dual Voltage Range

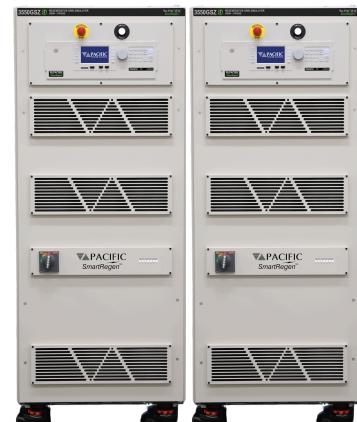
Modular and High Power Density Replacement Options



NHR power up to 100 kW,
Parallel up to 11 for 1.1MW



Parallel up to 189kW per 42U cabinet.
Parallel up to 252kW. Parallel Three-Phase systems up to 765kW.

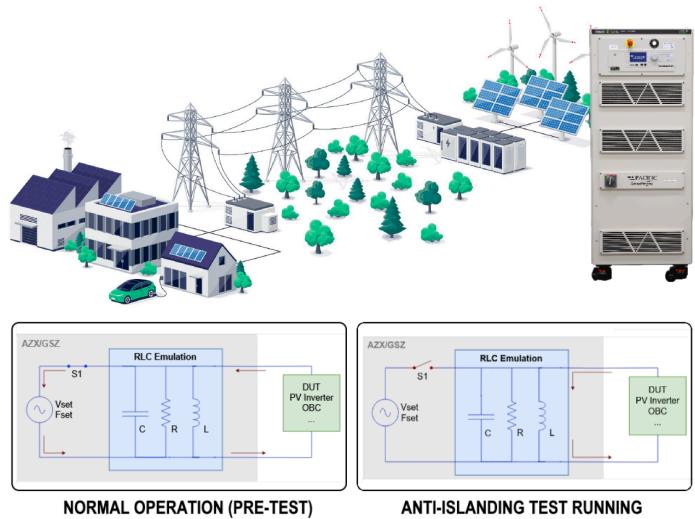


Parallel up to 110kW up to 550kW.
Parallel Three-Phase Systems up to 1.1MW. Top air-ventilation vs. back.

PHIL and Anti-Islanding Test Function Option

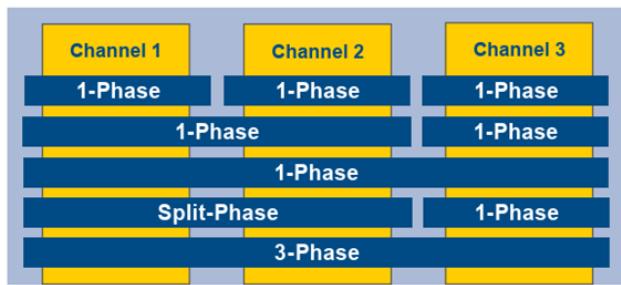
The GSZ provides PHIL capability with very low latency. Additionally, this unit provides circuit emulation modes, capable of 15 circuit combinations, ideal for anti-islanding testing. An anti-islanding test function is also available with pre-configured combinations for test requirements.

Note: The next version of the RGS Series will have this capability in Q2 2026.

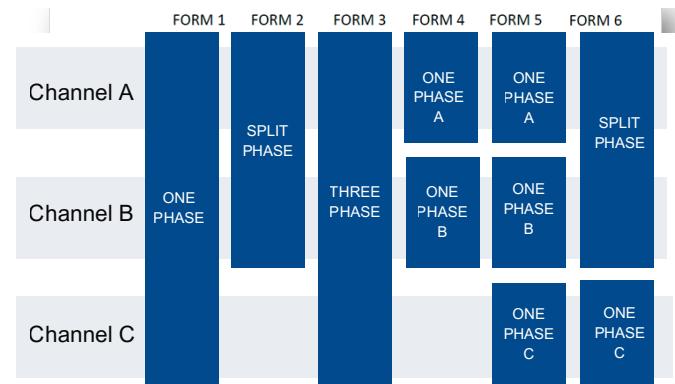


Flexible Multi-Channel Configurations

The GSZ/RGS Series can operate in each phase as a different function: voltage source, current source, or load (option), providing the most similar configuration to NHR than other vendors on the market.



NHR 9510 Configuration



PPS RGS or GSZ Configuration

Test Smarter with Built-In Smart Source Suite Software

Easily control and operate our power units with intuitive, user-friendly multiple control options and additional interfaces over NHR

- Touch-Screen Visual Panel
- Intuitive Menu and Soft-keys
- Shuttle Knob, Numeric Entry Pad
- LAN, GPIB, RS232 & USB Interfaces, CAN FD/ModBus, Analog Control
- **Built-In SmartSource Suite** – Embedded Web Server for Both LAN and USB Interface
- Pre-Written Test Sequence Standards



SmartSource Suite on any web browser for enhanced visualization, built-in.

Contact us to help you transition, now.