Overview

- High Power AC and DC Power Source
 Programmable AC and DC power for frequency conversion and product test applications
- Expandable Power Levels
 Available output power of 90 kVA per unit and multi-unit configurations for power requirements up to 2160 kVA
- Arbitrary & Harmonic Waveform Generation
 User defined voltage waveform and distortion programming
- Regenerative, bidirectional "Green" Power Solution

Automatic crossover between Source and Sink power mode offers regenerative capabilities in AC mode. Regenerate up to 100% of the rated output power back to the utility grid during sink mode operation. (-SNK option)

Remote Control
 Standard IEEE-488 (GPIB), RS232C & USB along with an optional LAN Interface are available for automated test applications

Introduction

The RS Series consists of multiple high-power AC and DC power systems that provide controlled AC and DC output for ATE and product test applications. This high-power AC and DC test system covers a wide spectrum of AC and DC power applications at an affordable cost. Using state-of-the-art PWM switching techniques, the RS series combines compactness, robustness, and functionality in a compact floor-standing chassis, no larger than a typical office copying machine. This higher power density has been accomplished without the need to resort to elaborate cooling schemes or additional installation wiring. Simply roll the RS unit to its designated location (using included casters), plug it in, and the RS series is ready to work for you.

Simple Operation

The RS Series can be operated completely from its menu driven front panel controller. A backlit LCD display shows menus, setup data, and readback measurements. IEEE-488, RS232C,USB and LAN remote control interfaces and instrument drivers for popular ATE programming environments are available. This allows the RS Series to be easily integrated into an automated test system. For advanced test applications, the programmable controller version offers full arbitrary waveform generation, time and frequency domain measurements, and voltage and current waveform capture.



Configurations

Each RS90 cabinet delivers up to 90 kVA of AC or AC + DC power. In DC mode, 66.6% of the AC powerlevel is available.

For higher power requirements, the RS180, RS270, RS360, and systems up to 2160 kVA are available. Available reconfigurable RS models (-MB designation) provide multiple controllers which allow separation of the high-power systems into individual RS90 units for use in separate applications. This ability to reconfigure the systemprovides an even greater level of flexibility not commonly found in power systems.

Product Evaluation and Test

Increasingly, manufacturers of high-power equipment and appliances are required to fully evaluate and test their products over a wide range of input line conditions.

Output voltage options, such as the -333 option, allow testing of high voltage 480VAC L-L products at 120% of nominal as required by IEEE 1547 (Table 1) "Interconnection system response to abnormal voltages".

The built-in output transient generation and read-back measurement capability of the RS Series offers the convenience of a powerful, and easy to use, integrated test system.

150-400 V

0-4800A/ Phase

*	208	230	380
	400	480	600





Regenerative, bidirectional "Green" Power Solution

The RS Series features the ability to both source and sink current, i.e., bi-directional current flow. The RS amplifier is designed to reverse the phase relationship between the AC input voltage and current to feed power back onto the utility grid. This mode of operation is particularly useful when testing grid-tied products that feed energy back onto the grid. Static Power Converters such as gridtied and off-grid photovoltaic inverters are tested for frequency variations and voltage transients.

REGENERATE CONTROL UNDER VOLT= 100.0VAC dEREQ = 0.50HzOUER VOLT = 270.0VAC DELAY F= 5.000S 22:U00US S02:EN DELAY R= 5.000S

Programming sink (-SNK) mode operation

With an output frequency range to 819 Hz (or 905 Hz with -HF option), the RS Series is well suited for aerospace applications. Precise frequency control and accurate load regulation are key requirements in these applications. The available IEEE-488 remote control interface and SCPI command language provide for easy integration into existing ATE systems. The RS Series eliminates the need for several additional pieces of test equipment, saving cost and space. Instrument drivers for popular programming environments such as National Instruments LabView™ are available to speed up system integration.

Regulatory Testing

As governments are moving to enforce product quality standards, regulatory compliance testing is becoming a requirement for a growing number of manufacturers. The RS Series is designed to meet AC source requirements for use in compliance testing such as IEC 61000, 3-2, 3-3, 3-11, 3-12, to name a few.

Choice of voltage ranges

The RS Series includes 0 - 150V & 0 - 300V or optionally, 0 - 166V & 0 - 333V line to neutral. These models provide a maximum 3 phase output capability of 260 Vac & 520 Vac or 287 & 576V line to line respectively. For applications requiring more than 333 V L-N (or 576 V L-L), the optional -HV output transformer provides an additional 0 - 400 V L-N and 0 - 693 V L-L output range for use in AC mode only. For custom applications the XV option is available and is user defined and offers up to 600VL-N (1,038VL-L)

High Crest Factor

With a crest factor of up to 3.0, the RS Series AC source can drive difficult nonlinear loads with ease. Since many modern products use switching power supplies, they tend to pull high repetitive peak currents. The RS90 for example can deliver up to 600 Amps of repetitive peak current (150 V AC range) per phase to handle three phase loads.

Remote Control

Standard RS232C & USB IEEE-488, and USB along with optional LAN remote control interfaces allow programming of all instrument functions from an external computer. The popular SCPI command protocol is used for programming.

Hardware In the Loop

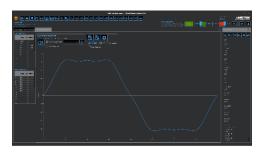
Optional External Drive (-EXTD) allows external analog signal control of the source while in AC operation, essentially turning the source into a high bandwidth amplifier. Most common applications include hardware in the loop (HIL) simulation of power plants, hybrid electric vehicles and most recently renewable energy generation and their effect on the utility grid. Reference EXTD white paper for additional performance details by visiting our website.

Application Software

- Windows® application software (*) is included. This software provides easy access to the power source's capabilities without the need to develop any custom code. The following functions are available through this GUI program:
 - * Requires PC running Windows™ 7, 8.x, or
- Steady state output control (all parameters)
- Create, run, save, reload and print transient programs
- · Generate and save harmonic waveforms.
- Generate and save arbitrary waveforms.
- Measure and log standard measurements
- Capture and display output voltage and current waveforms.
- Measure, display, print and log harmonic voltage and current measurements.
- Display IEEE-488, RS232C, USB and LAN bus traffic to and from the AC Source to help you develop your own test programs.



RS Series 90–2160 kVA



WindowsTM application software.

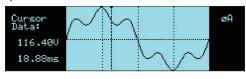
Harmonic Waveform Generation

Using the latest DSP technology, the RS Series programmable controller can generate harmonic waveforms to test for harmonics susceptibility. The Windows Graphical User Interface program can be used to define harmonic waveforms by specifying amplitude and phase for up to 50 harmonics. The waveform data points are generated and downloaded by the GUI to the AC source through the IEEE-488 , USB, or RS232C bus. Up to 200 waveforms can be stored in nonvolatile memory and given a user defined name for easy recall.

All RS Series configurations offer three phase waveform generation, allowing independent phase anomalies to be programmed. It also allows simulation of unbalanced harmonic line conditions.

Arbitrary Waveform Generation

Using the provided GUI program or custom software, the user also can define arbitrary AC waveforms. The arbitrary waveform method of data entry provides an alternative method of specifying AC anomalies by providing specific waveform data points. The GUI program provides a catalog of custom waveforms and allows real-world waveforms captured on a digital oscilloscope to be downloaded to one of the many AC source's waveform memories. Arbitrary waveform capability is a flexible way of simulating the effect of real-world AC power line conditions on a unit under test in both engineering and production environments.



Harmonically distorted waveform.

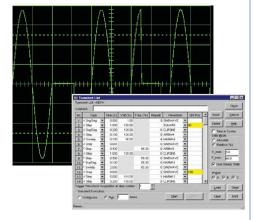
RS Series - AC and DC Transient Generation

The RS Series controller has a powerful AC and DC transient generation system that allows complex sequences of voltage, frequency and waveshapes to be generated. This further enhances the RS's capability to simulate AC line conditions or DC disturbances. When combined with the multiphase arbitrary waveform capabilities, the AC and DC output possibilities are truly exceptional. Transient generation is controlled independently yet time synchronized on all three phases. Accurate phase angle control and synchronized transient list execution provide unparalleled accuracy in positioning AC output events.

The front panel provides a convenient listing of the programmed transient sequence and allows for transient execution Start, Stop, Abort and Resume operations. User defined transient sequences can be saved to non-volatile memory for instant recall and execution later. The included Graphical User Interface program supports transient definitions using a spreadsheet-like data entry grid. A library of frequently used transient programs can be created on disk using this GUI program



Transient List Data Entry from the front panel.



Transient List Data Entry in GUI program.

RS Series

RS Series - Measurement and Analysis

The RS Series is much more than a programmable AC, DC or AC+DC power source. It also incorporates an advanced digital signal processor-based data acquisition system that continuously monitors all AC source and load parameters.

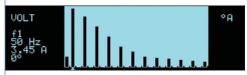
This data acquisition system forms the basis for all measurement and analysis functions. These functions are accessible from the front panel and the remote-control interface for the RS Series.

Conventional Measurements [All controllers]

Common AC and DC measurement parameters are automatically provided by the data acquisition system. These values are displayed in numeric form on the front panel LCD display. The following measurements are available: Frequency, Vrms, Irms, Ipk, Crest Factor, Real Power (Watts), Apparent Power (VA) and Power Factor.

Harmonic Analysis

The RS Series provides detailed amplitude and phase information on up to 50 harmonics of the fundamental voltage and current (up to 16 kHz in three phase mode) for either one or three phases. Harmonic content can be displayed in both tabular and graphical formats on the front panel LCD for immediate feedback to the operator. Alternatively, the included GUI program can be used to display, print and save harmonic measurement data. Total harmonic distortion of both voltage and current is calculated from the harmonic data.



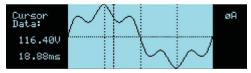
Absolute amplitude bar graph display of current harmonics with cursor positioned at the fundamental.



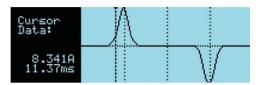
Voltage harmonic measurement table display in absolute values

Waveform Acquisition

The front panel LCD displays captured waveforms with cursor readouts. The included GUI program also allows acquired waveform data to be displayed, printed, and saved to disk.



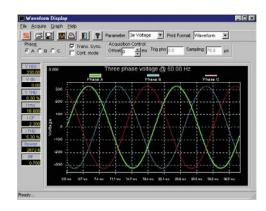
Acquired Current waveform.



Acquired Voltage waveform.







RS Series 90-2160 kVA

Model

Refer to tables shown for model numbers and configurations

Supplied with

User/Programming Manual and Software on CD ROM. RS232C serial cable.

Input Voltage Settings

Specify input voltage (L-L) setting for each RS system at time of order:

208	Configured for 208 V ±10 % L-L, 4 wire
	input.

230 Configured for 230 V ± 10 % L-L, 4 wire input.

380 Configured for 380V +/- 10% L-L, 4 Wire Input

400 Configured for 400 V ± 10 % L-L, 4 wire input.

480 Configured for 480 V ±10 % L-L, 4 wire input

600 Configured for 600 V V ±10 % L-L, 4 wire input

Model Options

-333	Configured for 166VAC and 333VAC
	L-N and 220/440 V DC output ranges.

- -ES Emergency Stop with Key Release
- -411 IEC 1000-4-11 test firmware.
- -413 IEC 1000-4-13 Harmonics & Interharmonics test firmware.
- -LF Limits maximum frequency to 500 Hz.
- -FC Modifies output frequency control to $\pm 0.25\%$
- -LAN Ethernet Interface.
- -HF Increases max frequency to 905 Hz.
- -HV Adds 400 V L-N AC-only output range.
- -HVC Adds 0-400V L-N AC only output range with constant power mode.

-XV Adds other AC-only output range. Consult factory for details.

 -XVC Adds other AC only output range with constant power mode.
 Consult Factory for details

-LKM Clock/Lock Master

-LKS Clock/Lock Auxiliary

-WHM Watt-Hour Measurement option.

-SNK Bidirectional auto source and sink mode. Offers up to 100% power sink capability in AC mode of operation..

-SNK-DC Sink DC current mode.

-EXTD External Drive allows external signal control.

Avionics Test Routine Options *

-ABD ABD0100.1.8 Test Option.

-AMD Airbus AMD24 Test

-A350 Airbus Test Software

-B787 Boeing 787 Test Software

-160 RTCA/DO-160D, DO-160E, DO-160G, and EUROCAE test firmware.

-704 MIL-STD-704 A - F test - firmware/software.

-1399 MIL-STD-1399-300B shipboard power test software.

* Note: Reference the Avionics Test User Manual P/N 4994-971 for a complete listing of performance capabilities.

Packaging and Shipment

All RS systems are packaged in re-usable protective wooden crates for shipment.

020-22042442 Sales@greentest.com.cn

5

RS Series Specifications

ACInput Voltage	Must be specified at time of order. All inputs are specified as VAC Line to Line, \pm 10% 3ø, , 3 wire + Ground.											
Input Line Current (per phase) Steady		G	rrent Per RS90 Cab	inat (Innut Salactic	C, 480 VAC, 600 VAC. Systems 180 kVA.to 2160 kVA							
	208 VAC	230VAC	380VAC	400VAC	480VAC 600VAC		DJSMIIS 100 EVANO 2100 EVA					
State at full power load	350 ARMS	314 ARMS	177 ARMS	180 ARMS	150 ARMS	112 ARMS	Multiply the rated input line currents by the number of 90 kVA cabinets in the system					
Inrush Current	460 Apk @ 208VIL	440 Apk @ 230VIL	277 Apk @ 380VIL	264 Apk @ 400VIL	220 Apk @ 480VIL	177 Apk @ 600VIL	Multiply the rated peak inrush currents by the number of 90 kVA cabinets in the system					
Input VA	112 kVA per 90k	kVAper 90kVA cabinet, multiply by the number of cabinets for systems above 90 kvA										
NOTE Each 90 kVA cab	inet requires its ow	n AC service										
Distortion	< 8%at full pow	er, <20% below 35%	6of power									
Line Frequency	47 - 63 Hz											
Efficiency	85 %typical											
Power Factor	0.95 typical / 0.9	9 at full power										
Hold Up Time	>10mS											
Isolation Voltage	2200 VACInput	to Output, 1350 VA	CInput to Chassis									
ACService												
Inputs/Outputs	Rear panel acces	ss										
Regulatory	IEC/EN 61010-1											
EMI	CISPR 11 / EN 5	5011, Class A, , EN	61326-1, ŒEMC(4	00 Vinput only 40	00 option)							
Connectors		out terminal block b ctor, DB-37, Etherne					r Option, 9 pin Sub-DRS232C connector*, Remote voltage sense terminal block, System					
Physical Dimension	s / Environment	al										
RS90 Dimensions	Width:	: 76"(1930 mm) 32.0"(812mm) : 40.0"(1016mm)										
RS90 Net Weight 2250 lbs			748 Kg approximately,									
RS90 Shipping Weight 2500 lbs		bs	785 Kg approximately									
Chassis Casters and forklift openi		s and forklift opening	ngs									
Vibration and Shock Designed to meet NSTApp			project 1Atransportation levels. Units are shipped in wooden crate with forklift slots									
Air Intake/Exhaust	Forced	air cooling, front a	r intake, rear exhaust									
Operating Humidity	0 to 95	%RAH, non-conde	nsing									
Temperature	Operat	ing 0 to 35° C(30° i	nax in CP mode), Storage: -20 to +85° C									

RS Series Specifications

Operating Modes												
AC DC and AC+DC												
ACMode Output												
Frequency		Range: 16.00-819.0 Hz, -I.F Option: 16.00-500.0 Hz, -H.F Option: 16.00-905 Hz (supplemental specifications apply above 819 Hz). Resolution: 0.01 Hz: 16.00 - 81.91 Hz, 0.1 Hz: 82.0 Hz - 819.1 Hz, SNK 16-500Hz, EXID 16-819Hz										
Phase Outputs	3 Phase, Ne	B Phase, Neutral: Floating, Coupling: DC (except for -HV, -XV, -HVC, and -XVC options that are transformer coupled.)										
Total Power	90 to 2160	to 2160 kVAin multiples of 90 kVA										
Load Power Factor	0 to unity at	t full output cur	rent									
Mode Voltage												
		Range VI.ow VHigh Regulation										
Voltage Ranges		AC	0-150V	0-300V		Load Regulation < 0.25 %FS DC to 100 Hz, < 0.5 %			FS 100 Hz to 819 Hz			
(Std Unit has 150 and 300 333 Option has 166 and 33			0-166V 0-150V	0-333 V 0-300V						-		
333 Option has 100 and 3.	75 V. K.)	AC+DC	0-166V	0-333V		Line Regulat	ion < 0.1%FS for a 10	%line change				
External Sense		Voltage drop	compensation (5%F	all Scale).								
Harmonic Distortion (Linea	ır)	Less than 0.5	%from 16 - 66 Hz; L	ess than 1% from 66 - 50	0 Hz; Less than 1.5%al	oove 500 Hz.						
DCOffset		< 20 mV										
Load Regulation		0.25%FS @I	OC-100 Hz, 0.5%FS	> 100 Hz								
External Amplitude Modula	ation	Depth: 0 - 10	% Frequency: DC-2	KHz								
Voltage slew rate		200 μs for 10	%to 90%of full scal	e change into resistive loa	ad, 0.5V/ μSec.							
ACMode Current												
Steady State ACCurrent @			00VAC-333 Option h	as 166 and 333VAC)								
Model Range		ktd/Option	RS90	RS180	RS270	RS360	RS450	RS540	RS630	RS720		
150VRange		Standard	200 A/Ø	400 AØ 200 AØ	600 A/Ø 300 A/Ø	800 A/Ø	1000 A/Ø 500 A/Ø	1200 A/Ø	1400 A/Ø 700 A/Ø	1600 A/Ø 800 A/Ø		
300VRange 166VRange		Standard 33 Option	100 A/Ø 180,2 A/Ø	360.4 A/ Ø	540.6 A/Ø	400 A/ Ø 720.8 A/ Ø	901 A Ø	600 A/Ø 1081.2 A/ Ø	1261.4 A/ Ø	1441.6 A/ Ø		
333VRange		333 Option	90.1 AØ	180.2 A/Ø	270.3 AØ	360.4 A/ Ø	451A Ø	540.6 A/ Ø	630.7 A/Ø	720.8 A/ Ø		
Model Range		std/Option	RS810	RS900	RS990	RS1080	RS1170	RS1260	RS1350	RS1440		
150VRange		Standard	1800 A/Ø	2000 A/Ø	2200 A/Ø	2400 A/Ø	2600 A/Ø	2800 A/Ø	3000 AØ	3200 A/Ø		
300VRange		Standard	900 A/Ø	1000 A/Ø	1100 A/Ø	1200 A/Ø	1300 A/Ø	1400 A/Ø	1500 A/Ø	1600 A/Ø		
166VRange		333 Option	1621.8 A/Ø	1802 A/Ø	1982.2AØ	2162.4 NØ	2342.6 A/Ø	2522.8 A/Ø	2703 A/Ø	2883.2 A/Ø		
333VRange Model Range		333 Option	810.9 A/Ø RS1530	901 A/Ø RS1620	991.1 A/Ø RS1710	1081.2 A/Ø RS1800	1171.3 A/Ø RS1890	1261.4 A/Ø RS1980	1352 A/Ø RS2070	1441.6 A/Ø RS2160		
150VRange		Std/Option Standard	3400 A/Ø	3600 AØ	3800 AØ	4000 A/Ø	4200 AØ	4400 A/Ø	4600 A/Ø	4800 A/Ø		
300VRange		Standard	1700 A/Ø	1800 AØ	1900 AØ	2000 A/Ø	2100 A/Ø	2200 A/Ø	2300 A/Ø	2400 A/Ø		
166VRange		333 Option	3063.4 A/Ø	3243.6 A/Ø	3423.8 A/Ø	3604 A/Ø	3784.2 A/Ø	3964.4 A/Ø	4144.6AØ	4324.8 A/Ø		
333VRange	•	333 Option	1531.7 A/Ø	1621.8 A/Ø	1711.9 A/Ø	1802 A/Ø	1892 A/Ø	1982.2 A/Ø	2072.3 A/Ø	2162.4 A/Ø		
Note: Constant power mod	e provides incr	reased current a	nt reduced voltage. So	e chart below.								
Peak Repetitive ACCurrent	: 	•	ms current at full sc					. =-				
Programming Accuracy				ency: ± 0.01 % of program		-	-			ıd.		
Programming Resolution Constant Power ACMo				y:0.01 Hz from 16 - 81.91	Hz, 0.1 Hz from 82.0	819 Hz, Current Limit	t: 0.1A, 3 phase mode,	1.0A, 1 phase mode, P	hase: 0.1°			
			125% urrent RMS) 100% 50%				Full Powe	r				
			1	0%	50'	%	80%	100%				
							→ Voltage (RM:	5)				

RS Series Specifications

Measurem	.,													
							per output phase)							
Parameter	Frequenc	v	RMS bltage	RMS Current	Peak Current	Crest Factor	Real Power	Apparent Power	Power Factor	Phase	DC Voltage	DC Current	DC Power	
Range	16 - 820 H	łz :	300 V	0-250 A	0-750 A	0.00-6.00	0-90 kW	0-30 kVA	0.00-1.00	0.0- 360.0	0-400 V	0-200 A	0-20kV	
Accuracy* (±)	0.01%+ 0.03 ±0.25 % for FC option	the 0.1%F	S, < 100 Hz S, > 100 Hz	0.5%FS, < 100 Hz 1.0%FS, > 100 Hz	2%FS, < 100 Hz 4%FS, > 100 Hz	0.05 0.05	1%FS, < 100 Hz 2%FS, > 100 Hz	1%FS, < 100 Hz 2%FS, > 100 Hz	0.01, <100Hz 0.02, 100-820Hz	2.0° typ.	0.25% FS	0.5%FS	1%FS	
0.01 to 81.91H Resolution 0.1 to 500Hz * 1Hz above 500Hz		Hz e).01 V	0.1 A	0.1 A	0.01	10 W	10 VA	0.01	0.5°	0.1 V	0.01 A	10 W	
applies for Pl	ent system band F > 0.5 and VA tor measuremen	> 50 %of range		acy specifications are v	alid above 100 counts	. Current and Po	ower Accuracy and Ra	nge specifications are	multiplied by the nur	nber of 90 kV	Acabinets in t	he system. PI	accuracy	
10Wel Tue	tor measuremen	no mia olo di	14 11 30700	or run source)		Measurement	s - Harmonics							
Par	rameter		Pre	quency Fundamental /	Harmonics		Phase	Volta	ige		Current			
R	Range		10	6.00-820 Hz / 32.00 H	z - 16 kHz		0.0 - 360.0°	Fundamental / I	F	undamental H	larmonics 2-5	0		
Accu	racy*(±)			0.03%+ 0.03 Hz / 0. ±0.25 % for the FC of			2° typ.	0.1%FS/0.1%	+ 0.1%kHz FS	1.0%I	0.5% FS, S, > 100 Hz/		dHz FS	
Res	solution			0.01 Hz			0.5°	10 mV/	10 mV		0.1 A/	0.1 A		
* Accuracy	y specificatio	ns are valid	above 100	counts. Accuracy	specifications are	for three ph	ase mode.							
DCMbde O	utput													
Power	Ma	x DC power at f	ull scale of D	Cvoltage range. 20 kW	each phase, 60 kWtot	al for each RS9	0 system, multiply by	the number of 90 kVA	cabinets in the syste	m				
Voltage Rang	ges Rai	nge: Low (0 - 20	0 V), High (0	- 400 V) -333 Option h	as 0 - 220 and 0 - 440	VDC in place of	these ranges.							
Output Accur	racy ± 1	Vdc												
Load Regulat	tion <0	.25 %FS												
Line Regulati	ion <0	.1%FS for 10 %	6input line ch	ange										
Ripple	< 2	Vrms Lo Range	e, < 3 Vrms Hi	Range										
Max DC Curre	ent @Full Scale	Voltage per ou	tput. (Std. Un	it has 0 - 200 and 0 - 4	100VDC, -333 Option h	as 0 - 220 and (- 440VDCranges)							
	l Range	Std/O		RS90	RS180	RS270	RS360	RS450	RS54	0	RS630	F	S720	
200VRange		Stand		100 A/Ø	200 A/Ø	300 A/Ø	400 A/Q	Ø 500 AØ 600		/Ø	700 A/Ø		00 A/Ø	
400VRange		Stand	ard	50 A/Ø	100 A/Ø	150 A/Ø	200 A 6			/Ø	350 A/Ø	40	00 A/Ø	
	Range	-333 O		90.8 A/Ø	181.6 A/ Ø	272.4 A Ø					635.6 A/ Ø		5.4 A/ Ø	
440VRange		-333 O		45.4 A/Ø	90.8 A/Ø	136.2 A/Q					317.8 A/ Ø		3.2 A Ø	
	l Range	Std/O		RS810	RS900	RS990	RS1080		RS1170 RS12 0 1300 A/Ø 1400 A				S1440	
	Range Range	Stand		900 AØ 450 AØ	1000 A/Ø 500 A/Ø	1100 A/Ø 550 A/Ø							00 AØ 00 AØ	
	/Range	-333 O		817.2 AØ	908 A/Ø	998.8A/Ø			1180.4 AØ 1271.2		1362 A/Ø		2.8 AØ	
	/Range	-333 O		408.6 A/Ø	454 A/Ø	499.4 A/Q							6.4 A/Ø	
Model	l Range	Std/O	otion	RS1530	RS1620	RS1710	RS1800			80 RS2070		R	S2160	
	Range	Stand		1700 A/Ø	1800 A/Ø	1900 A/Ø							00 A Ø	
	Range	Stand		850 A/Ø	900 A/Ø	9500 A/Ø							00 A/Ø	
	Range	-333 O		1543.6 A/Ø	1634.4 A/Ø	1725.2 AC			1906.8 AØ 1997.6				9.2 AØ	
	Range	-333 Option 771.8 A/Ø 817.2 A/Ø 862.6 A/Ø 908 A/Ø 953.4 A/Ø 998.8 A/Ø 1044.2 A/Ø ode provides increased current at reduced voltage. See chart below							1044.2 AV	108	9.6 A/Ø			
Current Limit			Programmabl	le from 0 Ato max. cui	rent for selected range	e								
AC+DC Mbd														
Output Power	r		Maximum cui	rrent and power in AC	+DC mode is same as I	DC mode								
Protection														
Over Load			Constant Curr	rent or Constant Volta	ge mode									
Over Tempera	ature		Automatic sh	utdown										
Storage														
Non Volatile	Mem. Storage		16 instrumen	t setups, 200 user def	ined waveforms									
Waveforms														
Waveform Ty	pes		Std: Sine, Pi:	Sine, Square, Clipped:	sine, User defined									
User defined	waveform stora	ge	Four groups of	of 50 user defined arbi	trary waveforms of 10	24 points for a t	otal of 200. One grou	p can be active at a ti	ne					
System Into														
Inputs			Remote shute	lown, External Sync, Cl	ock/Lock									
Outputs				be / Trigger out, Clock										
	ntrol		i ancion ono	oc / nigger out, Clock	LINK									
Remote Con		HEEF 400 (CT	D) . II	0.1	DOLDER IS DOS	OTH CD1	HEEF 400 2 CCP1 C							
IEEE-488 Inte			B) talker listener. Subset: AH1, C0, DC1, DT1, I3, PP0, RI2, SH1, SR1, T6, HEE-488.2 SCP1 Syntax											
RS232CInter		•		plied with RS232Ccab	le)									
LAN (-LAN O ₂	pt.)	Ethernet Inter	face: 10Base	T, 100BaseT, RJ45										
USB		Version: USB	1.1; Speed: 46	60 Kb/s maximum										
Output Relay	/	Push button c	ontrolled or b	ous controlled output r	elay									
	fications or	1		.1	oifications are m	. 1	11		C2501 50 C I I	1 .1		1 .0		

Note: Specifications are subject to change without notice. Specifications are warranted over an ambient temperature range of 25°±5° C. Uhless otherwise noted, specifications are per phase for a sinewave with a resistive load and apply after a 30 minute warm-up period. For three phase configurations, all specifications are for L-N. Phase angle specifications are valid under balanced load conditions only.

© 2021 AMEIEK Programmable Power All rights reserved. AMEIEK Programmable Power is the trademark of AMEIEK Inc., registered in the U.S. and other countries. Elgar, Sorensen, and California Instruments, are trademarks of AMEIEKInc., registered in the U.S.





绿测科技有限公司

广州总部:广州市番禺区陈边村金欧大道83号江潮创意园A栋208室

深圳分公司:深圳市龙华区龙华街道油松社区东环一路1号耀丰通工业园1-2栋2栋607南宁分公司:广西自由贸易试验区南宁片区五象大道401号五象航洋城1号楼3519号

广州分公司:广州市南沙区凤凰大道89号中国铁建·凤凰广场B栋1201房

电话: 020-2204 2442 传真: 020-8067 2851

邮箱: Sales@greentest.com.cn 官网: www.greentest.com.cn







微信视频号

绿测科技订阅号

绿测工场服务号