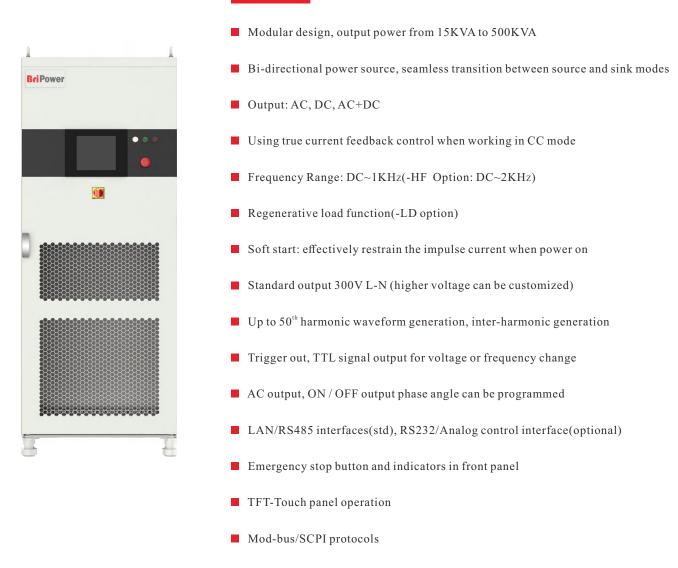
KGS Series Programmable AC/DC Power Supply

Features



CE conformity

Overview

The Bripower KGS series is a high-performance AC/DC power source, using SiC MOSFET PWM technology, which contains multi output power levels form 15KVA to 500KVA .with an output frequency range from DC to 2KHz (standard 1KHz, 2KHz with -HF o-ption), standard output 300V L-N (higher voltage can be customized).

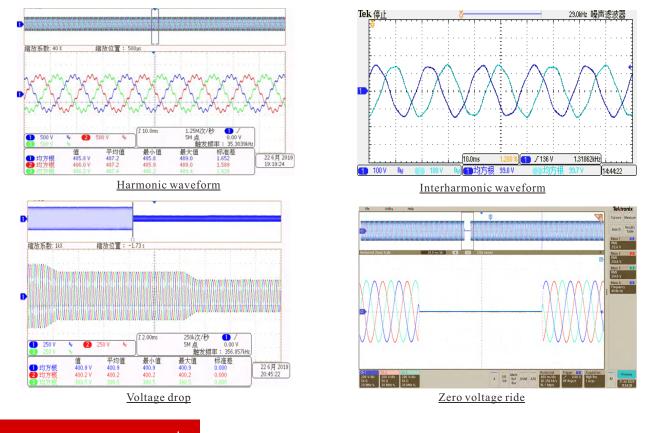
KGS series uses bi-directional design, which makes it possible to be used as grid simulator to test distributed generation systems. KGS Series is well suited for aerospace applications. Remote control interfaces and SCPI command language are provided for easy integration into ATE systems.

KGS series adopts dual DSP+FPGA design, with powerful calculation and control capabilities, and can display and save measured values at 10K/s sampling. The KGS series adopts optical fiber communication and performs multiple monitoring and protection of all main components, communication connections and systems. it is the most reliable power supply product in the industry. With touch panel on the front panel, users can control the power source through GUI software. System status indicators and emergency stop button are installed on the front panel. LAN and Rs485 standard interface, optional RS232 and analog control interfaces are available for automated test applications.



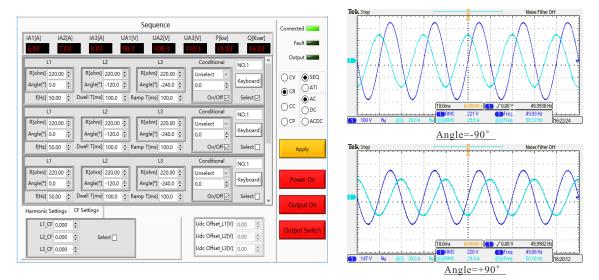
Grid Simulation

KGS series can be used as a grid simulator to test distributed generation systems, such as the electrical characteristics of energy storage PCS, PV inverter, etc, The simulation functions include voltage and frequency fluctuation, voltage drop, low/zero voltage, three-phase unbalance, harmonic and inter-harmonic etc. KGS series can meet the requirements of grid tied DG regulations testing, such as: grid voltage abnormality test, grid frequency abnormality test, low/zero voltage ride through test, anti-islanding test, etc. KGS series provides standard software that can simulate various real-world power grid operating conditions and supports multiple parameter settings.



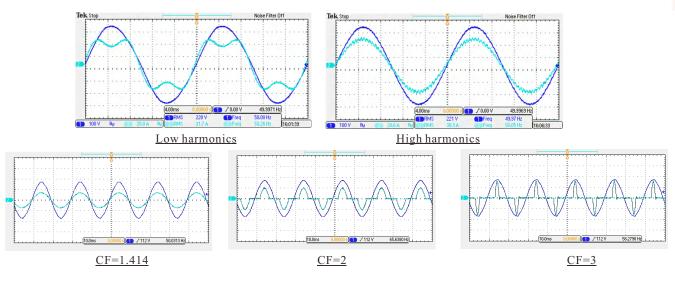
Re-generative AC Load -LD option¹

KGS series with -LD option can be used as regenerative AC electronic load. This function consists of CR mode, Rectifier mode, CC/ CP phase lead/lag mode.CR mode is used to simulate three-phase resistive loads, the CR mode and three-phase resistance parameters can be set through the panel and can realize the program of resistance sequence. Rectifier mode can be used to simulate non-linear loads, the CC/CP mode and CF(settomg range:1.414~3) parameters can be set through the panel. CC/CP phase lead/lagmode can simulate sinusoidal current, Constant current CC and constant power CP modes are available to adjust load current or power, phase angle can be set from 90° to -90° simulating the voltage and current conditions under inductive and capacitive loads.









¹KGS -LD can still output stable and reliable current waveform even when the input voltage is not pure sine wave or the sine wave has large distortion.

Avinocs Power Line Simulation

The KGS series meets the requirements of avionics bus simulation, and can simulate working conditions including normal working, power interruption (conversion), abnormal power supply, emergency power supply, startup, power failure, etc. to meet the requirements of MIL-STD-704 and other test regulations. In addition, remote control interfaces and SCPI command language are provided for easy integration into ATE systems.

IEC Related Test Applications

KGS series can meet the requirements for AC power in IEC 61000 3-2,3-3,3-11,3-12,4-11,4-13 and other standard tests.

Current Source Mode

The KGS Series uses true current feedback control when working in Current source mode. It is different from power supplies using voltage feedback with constant current mode, which is called voltage controlled current. The voltage controlled current power supplies maintain setting current value by adjusting output voltage and have relatively long response time to sudden impedance changes, which typically results in dynamic current overshoot or undershoot as the load impedance changes. KGS series working in CC mode does not have such problem and will always maintain the current at the setting value, regardless of transient load conditions.

Modular Design

The KGS series power supply contains one or more 15KVA power modules. Each power module is fully self-contained and forms a complete AC to AC or AC to DC converter.



Graphical User Interface

GUI software is installed in front touch panel, which uses Windows OS. The software provides following functions:

- Output limits and settings
- Sequence output settings

The output phase voltage, angle, frequency, ON/OFF phase angle, dwell time,

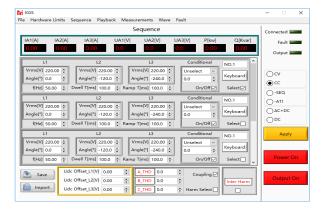
switching time and other parameters of the power supply can be set.



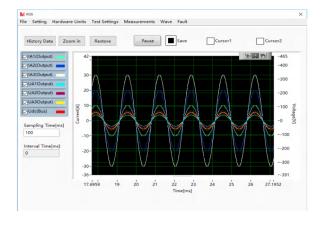
- Generate harmonic and inter-harmonic waveforms

Up to 50th harmonic waveform generation, inter-harmonic generation

- Real time display measurements: voltage, current, power, etc.
- Capture, display and save output voltage and current waveforms.
- Display power source faults



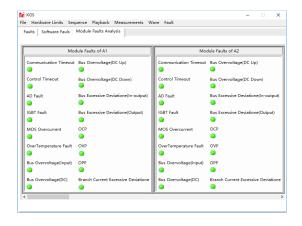
Sequence Mode



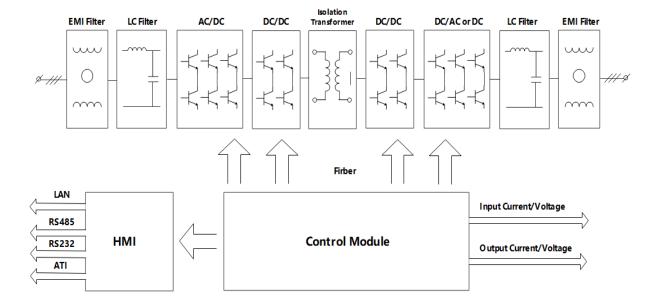
Waveform Display

2 Ang 0	şle[*] ÷	2 Ha	rmonic(%)	12A	19k(*)	12	Harmo		Angle	"] 22H	larmonic ÷		32Ar 0	igle[*]	32Harn 0	nonic[9	6]	
3 Ang		_	rmonic(%)		ngle(*)		Harmo		Angle		armonic		_	•	33Harn		6]	
0		0	•	Inter		nice See	tinger		5		121		•					
4 Ans	ple(*)	4 Ha	rmonic(interi	-	incs se	ungss											
0		0	-	1	-	-			-1	-		-	-		_	_	1	
5 Ang	ale(*)	5 Ha	rmonic(f[Hz]	÷	1 Ang		Harmonic[V]	12	Angle[*]	Harmon	nic[V] ≑	L3	Angle[*]	Harmo	nic[V]	Channel1	
0		0		Ľ	•	<u> </u>	۲	•				•		•	0	۲		
6 Ang	ple[']	6 Ha	rmonic()	f[Hz]		Ang	e["]	Harmonic[V		Angle[*]	Harmon	nic[V]		Angle[*]	Harmo	nic[V]	Channel2	
0	1	0	•	0	÷	0		0	12	0 🔅	0	•	L3	0	0	•		
7 Ang	gle["]	7 Ha	rmonic()	-	-	-			7			1	-					
0		0	•	f[Hz]	÷.	1 Ang	e[']	Harmonic[V;	L2	Angle[*]	Harmon	nic(V)	L3	Angle[*]	Harmo	nic[V]	Channel3	
8 And	ale[*]	8 Ha	rmonic	Ľ		<u> </u>	۰	•		•		•		• •	·	•		
0		0	•	f[Hz]		Ang	e["]	Harmonic[V]		Angle[°]	Harmon	nic[V]		Angle[*]	Harmo	nic[V]	Channel4	_
9 Ang	ale["]	9 Ha	rmonic	0	÷	0	*	0	12	0 🛊	0	*	L3	0	0	*		Settin
0	٢	0	•	-	-				7				-			1.0.0	1	
10Ani	gle["]	10H	armonic	f[Hz]	۰ ا	1 Ang		Harmonic[V	LZ	Angle[*]	Harmon	nic[V]	L3	Angle[*] 0 ‡	Harmo	nic[V]	Channel5	Cano
0		0		Ľ		Ľ	•	•		• •		•				•		
11An	ale["]	11H	armonic	f[Hz]		Ang	e[*]	Harmonic[V]		Angle[°]	Harmon	nic[V]		Angle["]	Harmo	nic[V]	Channel6	
0		0		0	÷	0		0	12	0 🔅	0	•	L3	0	0	*		
-	-	-		-	_	-			1				-					
				f[Hz]	۰ ۱	1 Ang		Harmonic[V]	L2	Angle[*]	Harmon	nic[V] ≑	L3	Angle[*]	Harmo	nic[V]	Channel7	
				Ľ	٠	10	•	•								•		
				f[Hz]		Ang	e["]	Harmonic[V		Angle[*]	Harmon	nic[V]		Angle[*]	Harmo	nic[V]	Channel8	
				0	÷ '	1 0		0	12	0 0	0	•	L3	0	0	•		

Monic and inter-harmonic generation



Fault Display



Block Diagram



General Specification (customized unit specification will be shown in the quotation)

Voltage2P-N-PE.380/LL±10% (std)Frequency47.3617Efficiency>8358Power Jactor0.05Output ModesA.C.D.C. or. AC+DCPower JactorD.2547Output Modes0.25478Output Voltage Lead Regulation0.355(10% ispont line change)AC Output Voltage I ne Regulation0.355(10% ispont line change)AC Output Voltage I New SolePlace BC Crelative to place A.0.3600 0°Prequency RangeDC -1000UT/ (std), DC -2000UT/ (stf) eption)TBD<550 (std) C-2000UT/ (stf) eption)Harmonic GenerationUp to 60°Voltage Accuracy0.3545Current Accuracy0.3545Current Accuracy0.3545Current Accuracy0.3545Current Accuracy0.15458-0.0117.Place Angle Accuracy0.15458-0.0117.Place Resolution0.15WVoltage Resolution0.15WVoltage Resolution0.1642(-1000HZ).005HZ/>100HZ)Voltage Resolution0.1642(-100HZ).005HZ/>100HZ)Voltage Resolution0.15458Voltage Resolution0.15458Voltage Resolution	A C Inext					
Frequency47-36HZEfficiency3858Power Factor0.363Output Modes.AC, DC, or AC+DCPower I evelFrom 15K Vato 500K VAOutput Modes.AC, DC, or AC+DCPower I evelFrom 15K Vato 500K VAOutput Vatage Late Regulation0.254 SOutput Vatage Late Regulation0.154 (10% iaput line change)AC OutputMax 50A per 15K VA moduleVatage Range (1-N)0.3000 (uul), 0.375V (11V1 option), higher voltage (.11V2 option)Current RangePhase Holf RangePhase Angle RangeDe HUC relative to phase A, 0.0 – 300 a'Phase Angle RangeDe Colonitz (.401, DC 2000HZ (.41F option)THD<15 (Resistive Load)	AC Input					
Efficiency>>85%Prove Factor0.95OutputOutput MolesAC, DC, or AC+DCProver LevelFrom 15KVA to 500KVAOntput Mollage Lead Regulation0.25%Ontput Mollage Lead Regulation0.1% (10% input line change)ACOutputValtage Range (1-N)0.300V (sol), 0.375V (1V1 rption), higher voltage (.1H2 option)Current RangeMax 50A per 15KVA modulePhase Alge RangeDC -10000 (21.4H option)Frequency RangeDC -10001 (21.4H). DC -200102 (.1H option)THD<1% Resistive Load)						
Power Factor0.93OutputOutput NolosisAC, DC, or AC+DCPower LevelFom 15KVA to 500KVAOutput Volage Load Regulation0.2548Output Volage Load Regulation0.1%(10% input line change)AC Output Nolage Load Regulation0.9%(0xf), 0-375V (HV1 option), higher voltage (HV2 option)Current RangeMax 50A per 15KVA modulePhase Angle RangePhase BC celative to phase A, 0.0-360.0°Frequency RangeDC -00001Z (4xf), DC -20001Z (4H option)Harmonic GenerationUp to 90°Voltage Slew RateSV/vasPower A ceuracy0.5%8Voltage Slew RateSV/vasPower A ceuracy0.3%68Frequency Range0.1%(5410.0117ZPhase Angle Accuracy0.1%548.01117ZPhase Angle Accuracy0.1%548.01117ZPha						
Output ModesAC, DC, ar AC-DCOutput ModesAC, DC, ar AC-DCPower LowelFrom 15KXA is 500KXAOutput Voltage Load Regulation0.5% SOutput Voltage Load Regulation0.1% (T0% input Ineuhangs)AC OutputOutput Voltage Line RegulationAC Output0.10% (AU), 0.575V (HV1 option), higher voltage (HV2 option)Carrent RangeMax 50A per 15K VA modulePhase Angle RangeDC : 10001Z (AU), 0.20001Z (HIP option)THD<1% (Resistive Load)						
Output Modes AC, DC, or AC-DC Power I evel From 15KVA to 500KVA Output Voltage Load Regulation 0.2%5S Output Voltage Lice Regulation 0.1% (10% input line change) AC Output Control Valuage Range (L-N) 0.300V (std), 0.375V (-11V1 option), higher voltage (-11V2 option) Current Range Max 50Aper 15KVA module Phase Alige Range Phase BC relative to phase A, 0.0-360.0° Frequency Range DC -00001/ (std), DC -20001/ (-11F option) THD <1% (Resistive Load)		0.95				
Power LevelFrom 15 KVA to 500 KVAOutput Voltage Leod Regulation0.2%FSOutput Voltage Line Regulation0.1% (10% input line change)AC Output0.300 K (std), 0-375 V (HVI option), higher voltage (HV2 option)Outgut Range (L-N)0.300 V (std), 0-375 V (HVI option), higher voltage (HV2 option)Current RangePhase BC relative to phase A, 0.0-360.0°Frequency RangeDC - 1000 IZ (std), DC - 2000 IZ (HF option)THDCl (seistive Load)Harmonic GenerationUp to 50°Voltage Slew Rate5% SVoltage Slew Rate0.3%FPower Accuracy0.3%FVoltage Recoracy0.3%FVoltage Recoracy0.1% (Std) DC - 2000 IZ (HF option)Phase Angle Accuracy0.3%FVoltage Resolution0.1% SVoltage Resolution0.1% SVoltage Resolution0.1% SVoltage Resolution0.1% SVoltage Resolution0.1% SVoltage Resolution0.1% SVoltage Range0.5% SVoltage Resolution0.1% SVoltage Range0.5% SVoltage Resolution0.1% SVoltage Resolution0.1% SVoltage Range0.5% SVoltage Range0.5% SVoltage Range0.5% SVoltage Range0.5% SVoltage Range0.1% SVoltage Range0.1% SVoltage Range0.1% SVoltage Range0.1% SVoltage Range0.1% SVoltage Range0.1% SVolt						
Output Voltage Laa Regulation0.2%1SOutput Voltage Line Regulation0.1%(10% input line change)ACOutputVoltage Range (L-N)0.300 V(sid), 0.375V (-11V1 option), higher voltage (-11V2 option)Current RangeMax S0A per 15K VA modulePhase Angle RangeDe-scool (Autor)Frequency RangeDe-1000HZ (std), DC-2000HZ (-HF option)THDVoltage Slow RateSV/usVoltage Slow RateSV/usVoltage Slow Rate.5%1SVoltage Slow Rate0.3%FCurrent Accuracy0.3%FCurrent Accuracy0.3%FVoltage Accuracy0.1%Voltage Solution0.1%Voltage Range Charlow0.1%FCurrent Accuracy0.1%Voltage Resolution0.1%Current Resolution0.1%VCurrent Resolution0.1%VVoltage Resolution0.1%VVoltage Resolution0.1%VVoltage Resolution0.1%FVoltage Range0.5%SV (sd), customized voltage up to 112SVVoltage Range0.5%SV (sd), customized voltage up to 112SVVoltage Range0.1%SVoltage Range0.1%SVoltage Masurement Accuracy0.3%FVoltage Range0.1%SCurrent Measurement Accuracy0.3%FVoltage Range0.5%SV (sd), customized voltage up to 112SVVoltage Range0.5%SV (sd), customized voltage up to 112SVVoltage Measurement Accuracy0.3%FOutrent Measurement Accuracy0.3%FCurrent Me	* 					
Output Voltage Line Regulation 0.1% (10% input line change) AC Output 0-300V (sid), 0-375V (-HV1 option), higher voltage (-HV2 option) Current Range Max 50A per 15K VA module Phase Angle Range Phase BVC relative to phase A, 0.0-300.0° Frequency Range DC -1000HZ (std), DC -2000HZ (HF option) THD <1% (Resistive Load)		From 15KVA to 500KVA				
AC OutputInternational and an antipart of the standard and antipart of the standard antipart of the s	Output Voltage Load Regulation	0.2%FS				
Voltage Range (L.N)0-300V (std), 0-375V (HV1 option), higher voltage (HV2 option)Current RangeMax 50A per 15K VA modulePhase Angle RangePhase B/C relative to phase A, 0.0-360.0°Frequency RangeDC-100HZ (std), DC-2000HZ (HF option)THD<1% (Resistive Load)	Output Voltage Line Regulation	0.1% (10% input line change)				
Current RangeMax S0A per 1SK VA modulePhase Angle RangePhase B/C relative to phase A, 0.9-360.0°Frequency RangeDC -1000HZ (std), DC -2000HZ (-HF option)THD<1% (Resistive Load)	AC Output					
Phase Angle AngePhase B.C relative to phase A, 0.9-360.0°Frequency RangeDC-1000HZ (std), DC-2000HZ (-HF option)THD<1% (Resistive Load)	Voltage Range (L-N)	0-300V (std), 0-375V (-HV1 option), higher voltage (-HV2 option)				
Frequency RangeDC - 1000HZ (std), DC - 2000HZ (-HF option)THD<1% (Resistive Load)	Current Range	Max 50A per 15KVA module				
THD<1% (Resistive Load)Harmonic GenerationUp to 50°Voltages Slew Rate5V/usPower Accuracy0.5%FSVoltage Accuracy0.3%FSCurrent Accuracy0.3%FSCurrent Accuracy0.1%FS+0.01HZPhase Angle Accuracy<1.2° (850HZ)	Phase Angle Range	Phase B/C relative to phase A, 0.0~360.0°				
InternationUp to S0°Voltages Slew RateSV/usPower Accuracy0.5%FSVoltage Accuracy0.3%FFCurrent Accuracy0.3%FFPrequency Accuracy0.01%FS+0.01HZPhase Angle Accuracy0.1%WPower Resolution0.1KWVoltage Resolution0.1KWVoltage Resolution0.14C/(100HZ).0.05HZ(>100HZ)Current Resolution0.1HQ(-100HZ).0.05HZ(>100HZ)Current Resolution0.01H2(-100HZ).0.05HZ(>100HZ)Current Resolution0.01H2(-100HZ).0.05HZ(>100HZ)Voltage Resolution0.01HZ(-100HZ).0.05HZ(>100HZ)Current Resolution0.01HZ(-100HZ).0.05HZ(>100HZ)Voltage Resolution0.01HZ(-100HZ).0.05HZ(>100HZ)Voltage Resolution0.01HZ(-100HZ).0.05HZ(>100HZ)Voltage Resolution0.01HZ(-100HZ).0.05HZ(>100HZ)Voltage Resolution0.01HZ(-100HZ)Voltage Resolution0.01HZ(>100HZ)Voltage Resolution0.01HZ(>100HZ)Voltage Accuracy0.2%FSCurrent Accuracy0.1%FSVoltage Nesurement Accuracy0.3%FSAc-DC ModeMax Power, Voltage Current are the same as DC ModeAC Voltage Mesurement Accuracy0.3%FSDC Voltage Mesurement Accuracy0.3%FSDC Voltage Mesurement Accuracy0.1%FSDC Voltage Mesurement Accuracy0.1%FSPrequency Mesurement Accuracy0.1%FSPrecetion0.1%FO.CPProtectionCVP, OCP, OTPCE ConformityEN 61010, EN 61326ColtingFored Air	Frequency Range	DC -1000HZ (std), DC -2000HZ (-HF option)				
Voltages Slow Rate5V/usPower Accuracy0.58FSVoltage Accuracy0.3%FSCurrent Accuracy0.0%FS+0.01HZPrequency Accuracy0.0%FS+0.01HZPhase Angle Accuracy<1.2° (#50HZ)	THD	<1% (Resistive Load)				
Power Accuracy0.58FSVoltage Accuracy0.3%FSCurrent Accuracy0.0%FS+0.01HZPhase Angle Accuracy<1.2° (#50HZ)	Harmonic Generation	Up to 50 th				
Voltage Accuracy0.3%FSCurrent Accuracy0.0%FS+0.01HZPrequency Accuracy<1.2° (#50HZ)	Voltages Slew Rate	5V/us				
Current Accuracy0.3%FFrequency Accuracy0.01%F\$+0.01HZPhase Angle Accuracy<1.2° (@SOHZ)	Power Accuracy	0. 5%FS				
Frequency Accuracy0.01%FS+0.01HZPhase Angle Accuracy<1. 2° (@50HZ)	Voltage Accuracy	0.3%FS				
Phase Angle Accuracy<1.2° (@50HZ)Power Resolution0.1KWVoltage Resolution0.1VCurrent Resolution0.1AFrequency Resolution0.0HZ(~100HZ), 0.05HZ(>100HZ)DC Output0.01HZ(~100HZ), 0.05HZ(>100HZ)DC Output0.01HZ(~100HZ), 0.05HZ(>100HZ)Voltage Range0~550V (std), customized voltage up to 1125VCurrent RangeMax 25A per 15KVA moduleVoltage Accuracy0.2%FSCurrent Accuracy0.1%FSVoltage Ripple0.1%FSAC+DC ModeMax Power, Voltage Current are the same as DC ModeAC Voltage Measurement Accuracy0.3%FSDC Current Measurement Accuracy0.1%FSFrequency Measurement Accuracy0.1%FSFrequency Measurement Accuracy0.1%FSProtection0.01%+0.01HZOthers-ProtectionOVP, OCP, OTPCE ConformityEN 61010, EN 61326CoolingForced Air CoolingTemperatureOperating: 0-40°C, Storage: -20~85°C	Current Accuracy	0.3%F				
Power Resolution0. 1KWVoltage Resolution0. 1VCurrent Resolution0. 1AFrequency Resolution0.01HZ(~100HZ), 0.05HZ(>100HZ)DC OutputVoltage Range0~550V (std), customized voltage up to 1125VCurrent RangeMax 25A per 15KVA moduleVoltage Accuracy0. 2%FSCurrent Accuracy0. 1%FSVoltage Rhape0. 1%FSAC+DC ModeMax Power, Voltage Current are the same as DC ModeAC+DC Mode0.3%FSAC Current Measurement Accuracy0.3%FSDC Voltage Measurement Accuracy0.1%FSDC Current Measurement Accuracy0.1%FSProtection0.01%+0.01HZOthers1Protection0VP, OCP, OTPCt ConformityEN 61010, EN 61326CoolingForced Air CoolingTemperatureOperating: 0~40°C, Storage: -20~85°C	Frequency Accuracy	0.01%FS+0.01HZ				
Voltage Resolution0. 1VCurrent Resolution0. 1AFrequency Resolution0.01HZ(-100HZ), 0.05HZ(>100HZ)DC OutputVoltage Range0-550V (std), customized voltage up to 1125VCurrent RangeMax 25A per 15KVA moduleVoltage Accuracy0. 2%FSCurrent Accuracy0. 1%FSVoltage Ripple0. 1%FSAC+DC ModeMax Power, Voltage Current are the same as DC ModeAC-VOLtage Measurement Accuracy0.3%FSDC Current Measurement Accuracy0.1%FSDC Voltage Measurement Accuracy0.1%FSDC Current Measurement Accuracy0.1%FSProtection0.1%FSFrequency Measurement Accuracy0.1%FSDC Current Measurement Accuracy0.1%FSDC Current Measurement Accuracy0.1%FSFrequency Measurement Accuracy0.1%FSFrequency Measurement Accuracy0.1%FSCC Current Measurement Accuracy0.1%FSFrequency Measurement Accuracy0.1%FSCochronnity0.1%FO, OTPProtectionOVP, OCP, OTPCE ConformityEN 61010, EN 61326CoolingForced Air CoolingTemperatureOperating: 0-40°C, Storage: -20~85°C	Phase Angle Accuracy	<1. 2° (@50HZ)				
Current Resolution0. 1AFrequency Resolution0.01HZ(~100HZ), 0.05HZ(>100HZ)DC OutputVoltage Range0~550V (std), customized voltage up to 1125VCurrent RangeMax 25A per 15KVA moduleVoltage Accuracy0. 2%FSCurrent Accuracy0. 1%FSVoltage Ripple0. 1%FSAC+DC ModeMax Power, Voltage Current are the same as DC ModeAC Voltage Measurement Accuracy0.3%FSDC Current Measurement Accuracy0.2%FSDC Voltage Measurement Accuracy0.1%FSDC Current Measurement Accuracy0.1%FSDC Current Measurement Accuracy0.1%FSDC Current Measurement Accuracy0.1%FSDC Current Measurement Accuracy0.1%FSFrequency Measurement Accuracy0.1%FSFrequency Measurement Accuracy0.1%FSCheresProtectionOVP, OCP, OTPCE ConformityEN 61010, EN 61326CoolingForced Air CoolingTemperatureOperating: 0~40°C, Storage: -20–85°C	Power Resolution	0. 1KW				
Frequency Resolution0.01HZ(~100HZ), 0.05HZ(>100HZ)DC OutputVoltage Range0~550V (std), customized voltage up to 1125VCurrent RangeMax 25A per 15KVA moduleVoltage Accuracy0.2%FSCurrent Accuracy0.1%FSVoltage Ripple0.1%FSAC+DC ModeMax Power, Voltage Current are the same as DC ModeAC Voltage Measurement Accuracy0.3%FSDC Current Measurement Accuracy0.3%FSDC Voltage Measurement Accuracy0.1%FSDC Current Measurement Accuracy0.1%FSDC Current Measurement Accuracy0.1%FSDC Current Measurement Accuracy0.1%FSDC Current Measurement Accuracy0.1%FSFrequency Measurement Accuracy0.1%FSFrequency Measurement Accuracy0.1%FSFrequency Measurement Accuracy0.1%FSCurrent Measurement Accuracy0.1%FSFrequency Measurement Accuracy0.1%FSFrequency Measurement Accuracy0.1%FSFrequency Measurement Accuracy0.1%FSCurrent Measurement Accuracy0.1%FSFrequency Measurement Accuracy0.1%FSGolingForced Air CoolingCurrent Measurement AccuracyForced Air CoolingCurrent Measurement Accu	Voltage Resolution	0. 1V				
DC OutputImage: Control of the series of the se	Current Resolution	0. 1A				
Voltage Range0-550V (std), customized voltage up to 1125VCurrent RangeMax 25A per 15KVA moduleVoltage Accuracy0. 2%FSCurrent Accuracy0. 1%FSVoltage Ripple0. 1%FSAC+DC ModeMax Power, Voltage Current are the same as DC ModeAC Voltage Measurement Accuracy0.3%FSAC Current Measurement Accuracy0.3%FSDC Voltage Measurement Accuracy0.3%FSDC Voltage Measurement Accuracy0.1%FSPrequency Measurement Accuracy0.1%FSFrequency Measurement Accuracy0.1%FSProtectionOVP, OCP, OTPCE ConformityEN 61010, EN 61326CoolingForced Air CoolingPertentureOperating: 0-40°C, Storage: -20-85°C	Frequency Resolution	0.01HZ(~100HZ), 0.05HZ(>100HZ)				
Current RangeMax 25A per 15KVA moduleVoltage Accuracy0. 2%FSCurrent Accuracy0. 1%FSVoltage Ripple0. 1%FSAC+DC ModeMax Power, Voltage Current are the same as DC ModeAC Voltage Measurement Accuracy0.3%FSAC Current Measurement Accuracy0.3%FSDC Voltage Measurement Accuracy0.2%FSDC Voltage Measurement Accuracy0.2%FSDC Current Measurement Accuracy0.1%FSPrequency Measurement Accuracy0.1%FSDC Current Measurement Accuracy0.1%FSEnequency Measurement Accuracy0.01%+0.01HZOthersProtectionOVP, OCP, OTPCE ConformityEN 61010, EN 61326CoolingForced Air CoolingTemperatureOperating: 0~40°C, Storage: -20~85°C	DC Output					
Voltage Accuracy0. 2%FSCurrent Accuracy0. 1%FSVoltage Ripple0. 1%FSAC+DC ModeMax Power, Voltage Current are the same as DC ModeAC Voltage Measurement Accuracy0.3%FSAC Current Measurement Accuracy0.3%FSDC Voltage Measurement Accuracy0.2%FSDC Voltage Measurement Accuracy0.1%FSFrequency Measurement Accuracy0.1%FSFrequency Measurement Accuracy0.1%FSProtectionOVP, OCP, OTPCE ConformityEN 61010, EN 61326CoolingForced Air CoolingTemperatureOperating: 0~40°C, Storage: -20~85°C	Voltage Range	0-550V (std), customized voltage up to 1125V				
Current Accuracy0. 1%FSVoltage Ripple0. 1%FSAC+DC ModeMax Power, Voltage Current are the same as DC ModeAC Voltage Measurement Accuracy0.3%FSAC Current Measurement Accuracy0.3%FSDC Voltage Measurement Accuracy0.2%FSDC Current Measurement Accuracy0.1%FSFrequency Measurement Accuracy0.1%FSFrequency Measurement Accuracy0.1%FSOthers	Current Range	Max 25A per 15KVA module				
Voltage Ripple0. 1%FSAC+DC ModeMax Power, Voltage Current are the same as DC ModeAC Voltage Measurement Accuracy0.3%FSAC Current Measurement Accuracy0.3%FSDC Voltage Measurement Accuracy0.2%FSDC Current Measurement Accuracy0.1%FSDC Current Measurement Accuracy0.1%FSDC Current Measurement Accuracy0.1%FSPrequency Measurement Accuracy0.1%+0.01HZOthersIProtectionOVP, OCP, OTPCE ConformityEN 61010, EN 61326CoolingForced Air CoolingTemperatureOperating: 0~40°C, Storage: -20~85°C	Voltage Accuracy	0. 2%FS				
AC+DC ModeMax Power, Voltage Current are the same as DC ModeAC Voltage Measurement Accuracy0.3%FSAC Current Measurement Accuracy0.3%FSDC Voltage Measurement Accuracy0.2%FSDC Current Measurement Accuracy0.1%FSFrequency Measurement Accuracy0.1%FSOthers0.01%+0.01HZProtectionOVP, OCP, OTPCE ConformityEN 61010, EN 61326CoolingForced Air CoolingTemperatureOperating: 0~40°C, Storage: -20~85°C	Current Accuracy	0. 1%FS				
AC Voltage Measurement Accuracy0.3%FSAC Current Measurement Accuracy0.3%FSDC Voltage Measurement Accuracy0.2%FSDC Current Measurement Accuracy0.1%FSFrequency Measurement Accuracy0.1%FSOthers0.01%+0.01HZProtectionOVP, OCP, OTPCE ConformityEN 61010, EN 61326CoolingForced Air CoolingTemperatureOperating: 0~40°C, Storage: -20~85°C	Voltage Ripple	0. 1%FS				
AC Current Measurement Accuracy0.3%FSDC Voltage Measurement Accuracy0.2%FSDC Current Measurement Accuracy0.1%FSFrequency Measurement Accuracy0.01%+0.01HZOthers0.01%+0.01HZProtectionOVP, OCP, OTPCE ConformityEN 61010, EN 61326CoolingForced Air CoolingTemperatureOperating: 0~40°C, Storage: -20~85°C	AC+DC Mode	Max Power, Voltage Current are the same as DC Mode				
DC Voltage Measurement Accuracy0.2%FSDC Current Measurement Accuracy0.1%FSFrequency Measurement Accuracy0.01%+0.01HZOthersProtectionOVP, OCP, OTPCE ConformityEN 61010, EN 61326CoolingForced Air CoolingTemperatureOperating: 0~40°C, Storage: -20~85°C	AC Voltage Measurement Accuracy	0.3%FS				
DC Current Measurement Accuracy0.1%FSFrequency Measurement Accuracy0.01%+0.01HZOthersProtectionOVP, OCP, OTPCE ConformityEN 61010, EN 61326CoolingForced Air CoolingTemperatureOperating: 0~40°C, Storage: -20~85°C	AC Current Measurement Accuracy	0.3%FS				
Frequency Measurement Accuracy0. 01%+0. 01HZOthersProtectionOVP, OCP, OTPCE ConformityEN 61010, EN 61326CoolingForced Air CoolingTemperatureOperating: 0~40°C, Storage: -20~85°C	DC Voltage Measurement Accuracy	0.2%FS				
OthersProtectionOVP, OCP, OTPCE ConformityEN 61010, EN 61326CoolingForced Air CoolingTemperatureOperating: 0~40°C, Storage: -20~85°C	DC Current Measurement Accuracy	0.1%FS				
Protection OVP, OCP, OTP CE Conformity EN 61010, EN 61326 Cooling Forced Air Cooling Temperature Operating: 0~40°C, Storage: -20~85°C	Frequency Measurement Accuracy	0. 01%+0. 01HZ				
CE ConformityEN 61010, EN 61326CoolingForced Air CoolingTemperatureOperating: 0~40°C,Storage: -20~85°C	Others					
CoolingForced Air CoolingTemperatureOperating: 0~40°C,Storage: -20~85°C	Protection	OVP, OCP, OTP				
Temperature Operating: 0~40°C,Storage: -20~85°C	CE Conformity	EN 61010, EN 61326				
	Cooling	Forced Air Cooling				
Operating Humidity 20-00% DH (None Condensing)	Temperature	Operating: 0~40°C,Storage: -20~85°C				
	Operating Humidity	20-90%RH (None Condensing)				





Model	KGS 15	KGS 45	KGS 90				
AC Output Mode	Single Phase	Single Phase or Three Phases					
AC Output Power	15KVA	45KVA	90KVA				
AC Output Current	50A	50A/Ph	100A/Ph				
DC Output Power	10KW	30KW	60KW				
DC Output Current	25A	75A	150A				
Dimension(w*D*H mm)	800*900*1700	800*900*1700	2*800*900*1700				
Weight	<500kg	<550kg	<950kg				

*other Power/Voltage Level can be offered. Please consult factory

AC Input Configuration

Please specify the input voltage (L-L) /208, Input Voltage $208V \pm 10\%$, 3-phase /230, Input Voltage $230V \pm 10\%$, 3-phase /380, Input Voltage $380V \pm 10\%$, 3-phase /400, Input Voltage $400V \pm 10\%$, 3-phase /480, Input Voltage $480V \pm 10\%$, 3-phase

Options

- -232 RS232 program interface
- -ATI Analog program interface (0~5V)
- -1P Add single phase output
- -HF Output frequency range up to 2KHZ
- -LD Regenerative load function
- -HV1 AC output voltage extended to $0{\sim}375V$
- -HV2 Higher output voltage consult factory

Model Configuration

KGS AAA-BBB-CCC-DDD/EEE AAA: Power, KVA BBB: Voltage range (L-N), V (std, 300V L-N) CCC: Current range, A DDD: Option EEE: Input configuration

Contact us

 Factory: Nanjing Bridge New Energy Technology Co.,Ltd

 Sales Company: Shanghai Bridge Electronic Technology Co.,Ltd

 General information: info@bridgetech.cn

 Technical Support: support@bridgetech.cn

 Repair&Calibration: service@bridgetech.cn

 Tel:
 40010-18618

Int'l Sales: contact@bridgetech.con.sg

About Bripower

Bridge Technology is a company focusing on business of power supplies and test systems for new energy applications. We are devoted to providing high quality products and solutions for customers.

Bridge Technology has a top-class R&D team in China, works on modularization and standardization power supplies and systems. We have sales, technical support, R&D and manufacture in Shanghai, Nanjing and Chengdu.

Nanjing Bridge New Energy Technology was founded on Jan 12th, 2016, focusing on R&D and manufacturing Bripower brand power systems, including bi-directional AC sources for grid simulation, bi-directional DC sources for battery simulation, and regenerative loads. The Bripower AC&DC power systems are widely used in new energy and related fields.

www.bripower.cn contact@bridgettech.com.sg