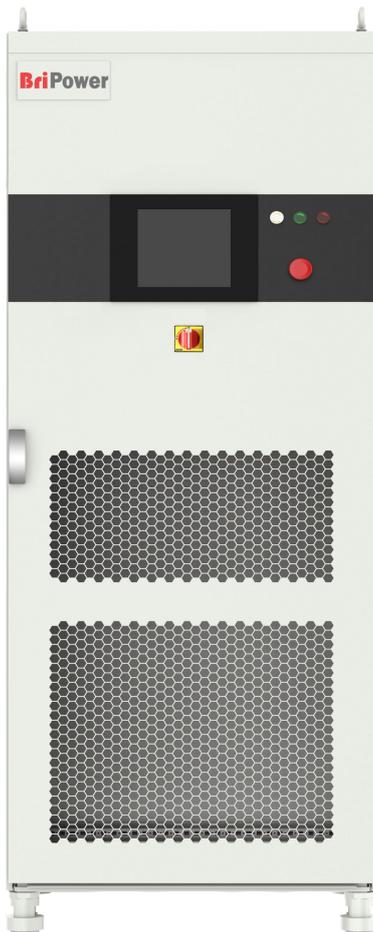


AVS Series

Programmable AC Power Supply



- Output power: 20 ~ 100kVA for single system
- Adjustable output voltage
- Adjustable frequency from 50 Hz to 400 Hz
- Fast dynamic response
- Independent three-phase output
- Output voltage is extended to 0 ~ 220 V (- HV option)
- LAN/RS485 interfaces
- TFT-Touch panel operation
- Mod-bus/SCPI protocols
- Emergency stop button
- Graphical User Interface

GUI software is installed on the front touch panel, which uses Windows OS.

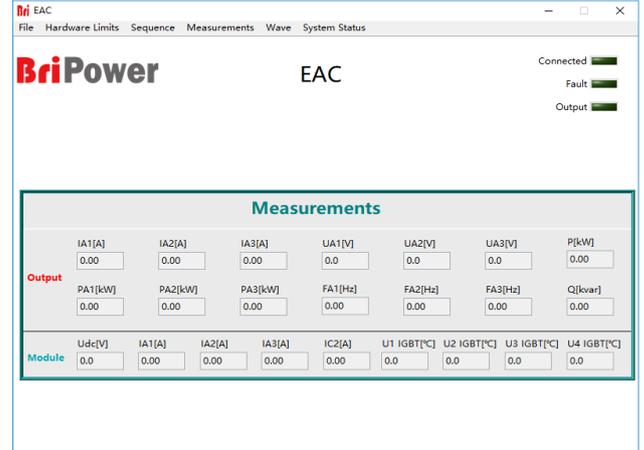
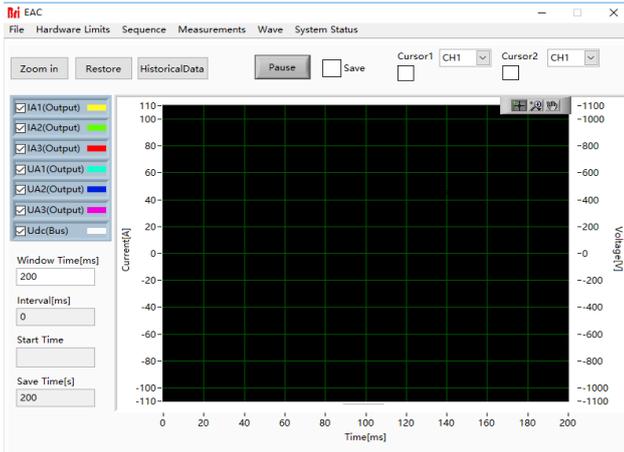
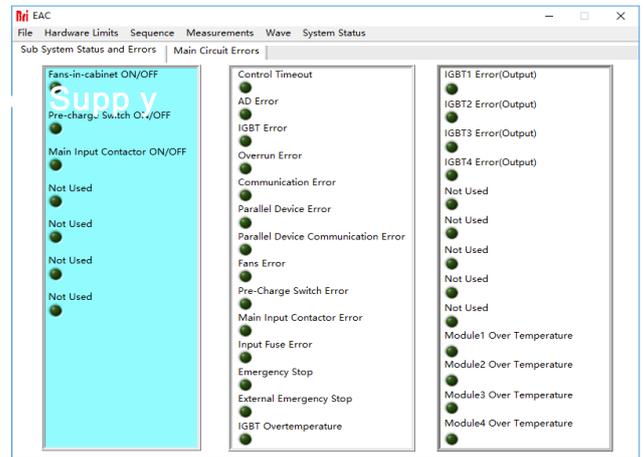
The software has the following functions:

- Output limits and output settings
 - Sequence mode output settings
 - Measurement display: voltage, current, power, etc.
 - Capture, display and save output voltage and current waveforms
 - Display power supply faults
- Customizable voltage, current and power ranges

Overview

BriPower AVS series AC power supply is a medium frequency power supply with high performance, multi-function and high reliability, which adopts advanced IGBT / PWM control technology and has the characteristics of low distortion sinusoidal output, fast dynamic response and high efficiency. AVS can be widely used in aerospace generators, electronic transformers, electronic components, low-voltage power distribution and other industries.

With touch panel on the front panel, user can control the power source with GUI software. System status indicators and emergency stop button are also installed on the front panel. The programming interfaces includes standard RS485 and LAN interfaces, which are used for automated test applications.



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

Output		Input	
Output waveform	Standard sine wave	AC input Voltage	3P+N+PE, 380VLL±10%(std)
Circuit control	IGBT / PWM modulation	Frequency	47-63Hz
Phase	Independent three-phase output (3P + N)	Efficiency	≥90%
Power Level	Single system: 20kVA~100kVA, customizable	Power Factor	0.95
Voltage Ranges	0-150V L-N (std), customizable		
Current Ranges	Customizable		
Frequency range	50-400Hz		
Phase output	Phase B/C relative to phase A, 0.0~360.0°		
Harmonic Generation	Up to 40 th	Others	
Load Regulation	0.2%FS	Protection	OVP, OCP, OTP
Line Regulation	0.1%FS	Regulatory	CE Conformity
THD	<1% (Resistive Load)	Cooling	Forced Air Cooling
Power Accuracy	0.5%FS	Altitude	<2000m
Voltage Accuracy	0.5%FS	Temperature	Operating: 0~40°C Storage: -20~85°C
Current Accuracy	0.5%FS	Operating Humidity	20-90%RH (None Condensing)
Frequency Accuracy	0.01Hz (~100Hz), 0.05Hz (>100Hz)		
Phase accuracy	<1.2° (@50Hz)		
Power Resolution	0.1kW		
Voltage Resolution	0.1V		
Current Resolution	0.1A		
Frequency Resolution	0.01Hz		

Options

-HV Output voltage is extended to 0 ~ 220V

Model Configuration

AVS AAA-BBB-CCC-DDD/EEE

AAA: Power, kVA

BBB: Voltage (L-N)

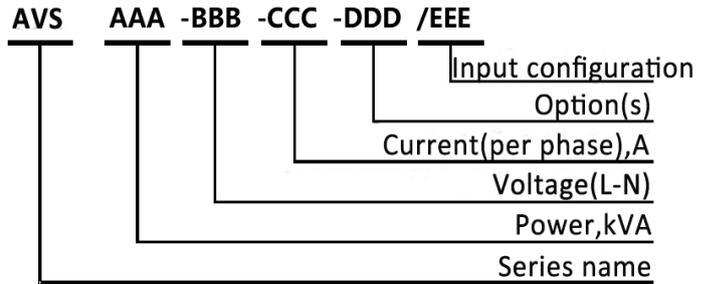
CCC: Current (per Phase), A

DDD: Option(s)

EEE: Input configuration

AC Input Configuration

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



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.

Factory: Nanjing Bridge New Energy Technology Co., Ltd

Sales Company: Shanghai Bridge Electronic Technology Co., Ltd

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