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TECHNICAL PRODUCT INFORMATION

Test & measurement instruments

- high - quality
- moderate prices
- excellent precision

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4 Technical Specifications

4.1 Technical Parameters

Model		G9000NG-25K-480-120
AC Output		
Rated values	Output voltage	L-N/0 ~ 480V, L-L/0 ~ 831V
	Output current	40A @three-phase
		120A @single-phase
	Output power	25kVA
Voltage	Resolution	0.01V
	Accuracy	≤0.01% + 0.05%F.S.
	Load regulation	≤0.05%F.S.
	Line regulation	≤0.01%F.S. @10% variation
	uTHD	< 0.3% @50Hz/60Hz
		< 1% @15Hz ~ 450Hz
Current*	Resolution	0.01A
	Accuracy	0.1% + 0.1%F.S. (15~200Hz)
		0.2% + 0.2%F.S. (200.1~450Hz)
	Peak	120A @three-phase
		360A @single-phase
Frequency	Setting range	15Hz ~ 450Hz
	Resolution	0.01
	Accuracy	0.01%
Phase	Setting range	0 ~ 359.9°
	Accuracy	±0.1°
	Resolution	±0.1°
Harmonics	Order	100th @40-70Hz
	Content	40%
DC Output		
Rated values	Output voltage	650V
	Output current	120A
	Output power	25kW
Voltage	Resolution	0.01V
	Accuracy	≤0.1%F.S.
	Load regulation	≤0.025%F.S.
	Line regulation	≤0.01%F.S. @10% variation
AC Input		
Rated values	Input voltage	342V ~ 528V
	Input frequency	47 ~ 63Hz
Phases		3-phase 4-wire (3L+PE)

Model		G9000NG-25K-480-120
Max. input current		47.3A
Power factor		0.99
Load Parameters		
Voltage	Input voltage	30~480V
	Display resolution	0.01V
	Display accuracy	< 0.1% + 0.1% F.S.
Current	Input current	120A @single-phase 40A @three-phase
	Setting resolution	0.01A
	Display resolution	0.01A
	Current accuracy	< 0.2% + 0.2% F.S. @15~200Hz
Frequency	Range	15~200Hz
	Display resolution	0.01Hz
	Accuracy	0.01%
Power	Input power	25kVA
	Setting resolution	1VA
	Display resolution	1VA
	Accuracy	< 0.4% + 0.4% F.S.
Power factor	Range	-1 ~ 1
	Setting resolution	0.001
Crest factor	Range	1.414 ~ 5
	Resolution	0.001
Resistance	Range	0.333~389Ω, single phase 0.999~1167Ω, three phases
	Resolution	0.001Ω
	Accuracy	< 0.3% + 0.3% F.S.
Active power P (kW)	Setting range	0~25kW (three-phase)/0~25kW (single-phase)/0~8.3kW (three-phase independent)
	Resolution	0.001kW
Inductive reactive power QL (kVar)	Setting range	0~25kVar (three-phase)/ 0~25kVar (single-phase)/ 0~8.3kVar (three-phase independent)
	Resolution	0.001kVar
Capacitive reactive power QC (kVar)	Setting range	0~25kVar (three-phase)/ 0~25kVar (single-phase)/ 0~8.3kVar (three-phase independent)
	Resolution	0.001kVar
RLC	R range	0.999~1167Ω, three phases
	Setting resolution (Ω)	0.1Ω
	L range	1~6000mH (three-phase)/ 0.33 ~2000mH (single-phase)
	Setting resolution (mH)	0.5mH
	C range	0.001uF~5000uF (three-phase)/ 0.003uF~15000uF (single-phase)
	Setting resolution (uF)	0.1uF
	Rc range	0.999~1167Ω (three-phase)/ 0.333~389Ω (single-phase)
	RL range	0.999~1167Ω (three-phase)/ 0.333~389Ω (single-phase)

Model	G9000NG-25K-480-120
General Parameters	
Withstand voltage	1500Vdc
Peak efficiency	90%
Protection rating	IP20
Storage temperature	-20℃ ~ +70℃
Operating temperature	0～40℃
Humidity	0～90%RH, 25℃ non-condensing
Altitude	2000m
Communication interface	RS232/ LAN/ USB/ Analog IO/ Digital IO
Dimensions (mm)	699 (D)×445 (W)×131.5(H)
Weight	40kg

* With respect to current accuracy, F.S. is subject to the maximum peak current in equipment specification.

Note: The above specifications are subject to updates without further notice.

4.2 Optional Configuration

Optional Function	
GPIB	GPIB communication interface