

LXinstruments GmbH
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TECHNICAL PRODUCT INFORMATION

Test & measurement instruments

- high - quality
- moderate prices
- excellent precision

Your contact:

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4 Technical Parameters

4.1 Technical Specifications

A2000PG Series		
Power supply parameters		
Input parameters	Rated grid voltage	380/400V, 3L/PE
	Voltage range	323~440V
	Rated frequency	50/60Hz
	Frequency range	45~65Hz
	Feedback power	Full power range energy feedback
	iTHD	≤3%
	Power factor	≥0.99
Output voltage	Voltage accuracy	±0.1%F.S.
	Resolution	0.001V
	Output THD	<0.5%@50Hz/60Hz
		<1.0%@40~70Hz
	Voltage slew rate	AC>1V/μs
Output frequency	Frequency range	40~70Hz
	Resolution	0.001Hz
	Frequency accuracy	±0.01% or 0.005Hz, whichever is higher
Output current	Current accuracy	±0.1%rd + 0.2%F.S.
	Resolution	0.001A
Output power	Power accuracy	±0.3%F.S.
	Resolution	1VA
Output phase	Phase range	0 ~ 359.99
	Phase accuracy	±0.2°
Harmonics	Harmonic amplitude error	±5% set value or 0.1% of fundamental wave value
	Order	50 th @50Hz/60Hz, maximum frequency: 2499Hz
	Max. content	50%
	Content	2 nd ~10 th , up to 40% single, not more than 40% total; 11 th ~20 th , up to 20% single, not more than 20% total; 21 st ~30 th , up to 10% single, not more than 10% total; 31 st ~50 th , up to 5% single, not more than 5% total; Up to 49 harmonics to be superimposed at the same time

Inter-harmonics	Frequency range	1~2499Hz
	Content	<10%
Flicker	Grade	1.0 ~ 10.0
	Accuracy	±0.2
Three-phase unbalance	Accuracy	±0.5%
Load parameters		
Voltage	Input voltage	30~450V
	Resolution	0.001V
	Accuracy	±0.1%F.S.
Current	Resolution	0.001A
	Accuracy	±0.1%rd+0.2%F.S.
Frequency	Range	40~70Hz
	Resolution	0.001Hz
	Accuracy	±0.01% or 0.005Hz, whichever is higher
Power	Resolution	1VA
	Accuracy	±0.3%F.S.
Power factor	Range	-1 ~ 1
	Resolution	0.001
Peak factor	Range	1.414 ~ 3
	Resolution	0.001
Resistance	Range	0.9 ~ 1000Ω
	Resolution	0.001Ω
	Accuracy	< 0.3% + 0.3% F.S.
General parameters	Max. efficiency	92.6%
	Cooling method	Forced air cooling
	Altitude	≤2000m
	Operating temperature	-10 ~ 40℃

Note: When the product is operating with voltage and current lower than 10% of the rated values, the accuracy and dynamic characteristics cannot be guaranteed.

4.2 Optional Configurations

Optional items	
Parallel kit	The parallel connection kit includes communication cables (with Ethernet cable specifications of 5 m, 10 m, etc. available, and the specific length and number of cables need to be specified when placing an order).
Three-color light	Optional three-color alarm light at the top of the device cabinet.