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TECHNICAL PRODUCT INFORMATION

Test & measurement instruments

- high - quality
- moderate prices
- excellent precision

Your contact:

Technical support, services, demo & rental equipment, price information
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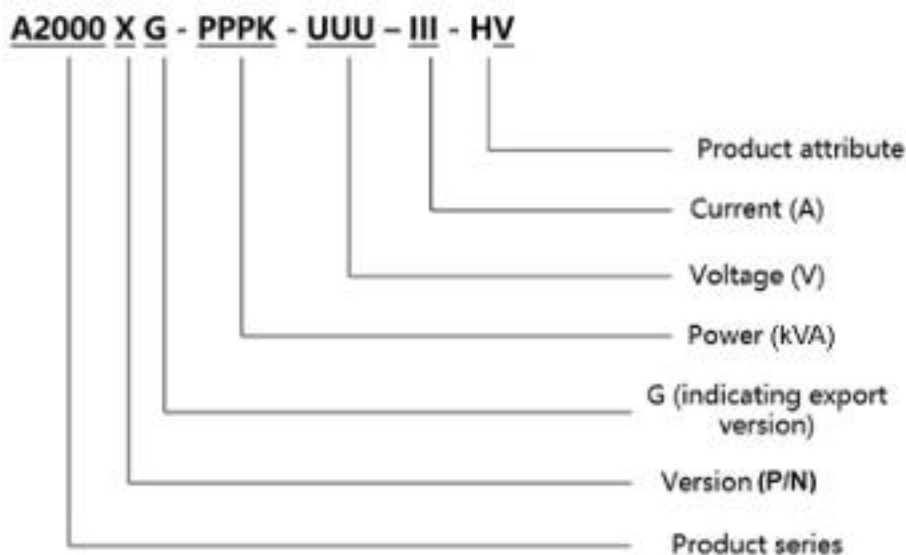
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3 Product Specifications

3.1 Model Description



Example: A2000NG-300K-900-240-HV

3.2 Technical Specifications

Model		Rated power [kVA]	Voltage range [V]	Rated current [A]	Dimensions (W*D*H) [mm]
A2000NG-100K-900-80-HV		100	0-900	80	620*900*970
A2000NG-200K-900-160-HV		200	0-900	160	640*900*1600
A2000NG-300K-900-240-HV		300	0-900	240	850*1000*2000
A2000NG-400K-900-320-HV		400	0-900	320	850*1000*2000
A2000NG-500K-900-400-HV		500	0-900	400	850*1000*2000
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			
Output voltage	Voltage accuracy	±0.1%F.S.			
	Resolution	0.001V			
	Output THD	<0.5%@50Hz/60Hz			

Output frequency		<1.0%@40-70Hz
	Voltage slew rate	AC>1V/μs
	Frequency range	40-70Hz
	Resolution	0.001Hz
Output current	Frequency accuracy	±0.01% or 0.005Hz, whichever is higher
	Current accuracy	±0.1%rd+0.2%F.S.
Output power	Resolution	0.001A
	Power accuracy	±0.3%F.S.
Output phase	Resolution	1VA
	Phase range	0-359.99
Harmonics	Phase accuracy	±0.2°
	Harmonic amplitude error	±5% set value or 0.1% of fundamental wave value
	Order	Harmonic injection up to 50Hz@60 th , or 60Hz@50 th (max. 3000Hz)
	Max. content	50%
Inter-harmonics	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. 51 st ~60 th , up to 3% single, not more than 3% total. Up to 59 harmonics to be superimposed at the same time
	Frequency range	1~3000Hz
	Content	<10%
	Grade	1.0~10.0
Flicker	Accuracy	±0.2
	Three-phase unbalance	±0.5%
Load Parameters		
Voltage	Input voltage	50-900V
	Resolution	0.001V
	Accuracy	±0.1% F.S.
Current	Resolution	0.001A
	Accuracy	±0.1%rd+0.2%F.S.
Frequency	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
Crest factor	Range	1.414~3

	Accuracy	0.001
Resistance	Range	0.9~1000Ω
	Resolution	0.001Ω
	Accuracy	< 0.3%+0.3% F.S.
General parameters	Max. efficiency	93.7%
	Cooling method	Forced air cooling
	Altitude	≤2000m
	Operating temperature	-10 ~ 40℃

Note: When the product is operating at a voltage and current lower than 10% of the rated value, its accuracy and related dynamic characteristics cannot be guaranteed.

3.3 Optional Configuration

Optional Configuration	
Parallel kit	Parallel kit including communication cables (3 meters, 5 meters and other fiber optic cable specifications can be selected, need to confirm the length and number of cables when selecting the models.)
DC output	After this function is selected, the machine can perform DC output.

DC Output		
Voltage	Output voltage	24~1200V
	Accuracy	+0.1%F.S.
	Resolution	0.001V
Current	Output current	120A
	Accuracy	±0.3%F.S.
	Resolution	0.001A
Power	Output power	65kW

Note: After the DC function is selected, it is applicable. This table takes 100kVA as an example.