



AC Current outputs

Control	Independent control of amplitude, frequency and phase angle
Range	3×20A / 1×60A
Accuracy	error < 0.08 % rd. + 0.02 % rg. guar. error < 0.03% rd. + 0.02 % rg. typ.
Resolution	1mA
Output power	≥140VA at 20A, LN
Output response time	<100μs
Distortion (THD%)	<0.05% type., <0.1% guar., at >0.5A
Frequency- Amplitude characteristic	≤± 0.1%~± 0.5% (1Hz~1kHz)
Output time	continuous (<10A/channel) >70s (<10~20A/channel) >15s (≥20/channel)
Operation indication	Overload, distortion, open circuit, over heat

AC voltage outputs

Control	Independent control of amplitude, frequency and phase angle
Fourth voltage (Uz)	0~300V

Setting range

4-phase ac(L-N)	4×0~300V
1-phase ac(L-L)	1×0~600V
Power	
4-phase ac(L-N)	4×75VA typ., at 300V 4×50VA guar., at 300V
3-phase ac(L-N)	3×100VA typ., at 300V 3×85VA guar., at 300V
1-phase ac(L-L)	1×200VA typ., at 600V 1×170VA guar., at 600V
Accuracy	error < 0.08 % rd. + 0.02 % rg. guar. error < 0.03% rd. + 0.02 % rg. typ.
Resolution	1mV(<30V), 10mV(30V~300V)
Output response time	<100μs
Distortion (THD%)	<0.05% type., <0.1% guar., at 30V-300V
Frequency- Amplitude characteristic	≤± 0.1%~± 0.5% (1Hz~1kHz)
Output time	Continuous at rated output condition
Operation indication	Overload, distortion, short circuit, over heat

Frequency

Sine signal	DC, 0.001Hz~1000Hz
Accuracy	0.3ppm
Resolution	0.001Hz
Output characteristic	Can simulate 2 nd -20 th harmonic or DC

Phase angle

Range	-360°~+360°
Accuracy	±0.05° type., ±0.1° guar.
Resolution	0.001°

Synchronization time between current and voltage outputs

≤10μs

Power Supply

Input	110-240Vac
Frequency	50/60Hz
Max. current	6.3A

DC Current outputs

Range	3×0~10A / 1×0~30A
Accuracy	±5mA (0.2A~1A) ±0.5% (1A~10A)
Resolution	1mA
Output power	3×100W at 10A / 1×300W at (30A 10V)
Operation indication	Overload, distortion, open circuit, over heat

DC voltage outputs

Range	4×0~300V / 1×0~600V
Accuracy	±50mV (2V ~10V), ±0.5% (10 ~300V)
Resolution	10mV
Output power	100W at 300V

Binary inputs

Number	8
Input characteristics	0~400Vdc/400Vac Peak threshold or potential free
Time resolution	50μs
Max. measuring time	Infinite
Debounce/Degitch time	0~25ms
Counting function	< 3kHz, at pulse width>150μs

Binary output

Number	4
Characteristic	Potential free relay contact
Break capacity ac	V _{max} : 250V(AC)/I _{max} : 0.5A
Break capacity dc	V _{max} : 250V(DC)/I _{max} : 0.5A

DC voltage measuring input

Measuring range	0~ ±10V
Accuracy	error <0.02% rg. typ. (<0.05% rg. guar.)
Input impedance	100KΩ

DC current measuring input

Measuring range	0~±20mA
Accuracy	error <0.02% rg. typ. (<0.05% rg. guar.)
Input impedance	50Ω

IEC61850 upgrade (Optional)

Interpretation hardware is in-built. Please contact the supplier for options to activate the IEC61850 software support function.

Environmental conditions

Operation temperature	0~+50°C
Storage temperature	-25~+70°C
Relative humidity	5~95% non - condensing
EMC(E&I)	EN/IEC61326-1 EN/IEC 61000-3-2/3 EN/IEC61000-4-2/3/4/5/6/8/11/18
Environment	EN/IEC 60068-2-1/2/3/6/27
Safety	EN/IEC 61010-1/1-12/2-030 EN/IEC 60255-25/27
Others	FCC Part 15:Sub B ECS-001:2006 LVD EU

Others

PC connection	Ethernet, 10M/100M
Wireless control	Cellphone APP(optional)
GPS interface	DB9
Ground Socket (earth)	4mm banana socket
Dimension(W×H×D)	256mm × 110mm× 395mm
Weight	8.6 kg



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