

Model: K68i

7 Channels (4V + 3I) output. Each output channels are independent control of magnitude, phase angle & frequency values, can generate a variety of output waveforms such as: DC; sinewave; sinewave with percent harmonics at various phase angles etc.

Independent variable battery simulator (DC 15~300V, 120watts)

Anti-clipping detect; cabinet grounding, wrong wiring connect alarm and self-protect, overload and over heat protection.

Test high burden electromechanical relays, 3x10A continuously outputs.

Provide convenient and prompt precision calibration for amplitude and phase by software without open the cabinet.

- *Quick relay testing facility in Manual mode*
- *Power system model for dynamic testing*
- *GPS sync end-to-end testing*
- *Automatic test report creation*

Cost-effective, powerful & robust, Best field testing convenience, for semiautomatic and manual testing of relays

- **Inbuilt 6.4" True color TFT LCD display, keyboard and rotary encoder, fully control without laptop**
- **Advance PC software testing modules for optional**
- **1-Year guarantee of free repair and life-long maintenance**



Current Generators	
Current:	AC 3x35A @ 450VA
	AC 1x105A @ 1200VA
	DC 3x20A @ 300W
Current Accuracy	<0.07%rd+0.03%rg,Typ.
	<0.15%rd + 0.05%rg,Guar.@ 0.5~35Aac
Distortion	< 0.05% Typ. / <0.1% Guar.@ 0.5~35Aac
Voltage Generators	
Voltage:	AC 4x300V L-N @ 120VA Max
	DC 3x300V @ 120W
Voltage Accuracy	<0.07%rd +0.03%rg. Typ.@ 2~300Vac
	<0.12%rd +0.05%rg. Guar.@ 2~300Vac
Distortion	< 0.05% Typ. / <0.1% Guar.
Frequency & Phase angle	
Frequency range:	DC~1KHz
Frequency accuracy:	±0.5ppm
Freq. resolution:	0.001Hz
Phase angle:	-360~+360°
Phase accuracy:	<0.02°typ,<0.1°Guar,50/60Hz
Phase resolution:	0.001°
Auxiliary DC (Battery simulator)	
Auxiliary DC:	15~300V @ 120W Max
	0.5% rg Guar.
Binary input	
Quantity:	8 pairs
Type:	wet/dry
Time resolution:	100us
Debounce time:	0~25ms (Software Controlled)
Time range:	Infinite
Time errors:	< ±1ms @ 0.001~1s, < ±0.1% @ >1s
Galvanic isolation:	4 isolated,1/2/3/4~8
Input impedance:	600KΩ
Binary outputs	
Quantity:	4 pairs
Type:	Potential free relay contacts, software controlled
Break capacity AC	Vmax:400Vac / Imax:8A / Pmax:2500VA
Break capacity DC	Vmax: 300Vdc / Imax: 5A / Pmax: 150W

Others, Size & Weight	
PC connection:	1 x 10/100M Base-Tx RJ45 Ethernet
Synchronizer port:	GPS SMA Antenna
Size:	490 x 362 x 155 mm
Weight:	<20kg
Power supply & Environment	
Nominal input voltage	100/220/230VAC pre-concentrate
Permissible input	±20% of rated voltage, Maximum 264VAC
Nominal frequency	50/60Hz
Permissible frequency	45~65Hz
Power Consumption	1500VA max.
Connection Type	IEC60320 Standard AC socket
Grounding Terminal	4mm banana socket
Temperature(operating)	-10℃~55℃
Temperature(Storage)	-20℃~70℃
Humidity	5%-95% RH,non-condensing