



# Model S100A

## Specifications

### Voltage generators

#### range

Frequency	40Hz~60Hz
Phase angle	0~359.9°
AC voltage	3×0-120V
AC current	Source 1 0A-100A Source 2 0mA-200mA
DC voltage	0-300V (through Uab)
DC current	Source 1 0A-10A Source 2 0mA-200mA
Auxiliary DC	0V/110V/220V
Response time for V and I	< 100 us

### Output power

AC Voltage	Max. 60VA
AC Current	Max. 800VA
Auxiliary DC	110W at 220V

### Binary output

Number	1
Type	Dry contact
Break capacity AC	$V_{max} : 250V(AC)/I_{max} : 0.5A$
Break capacity DC	$V_{max} : 250V(DC)/I_{max} : 0.5A$

### Dimension and weight

Aluminum casing	
364 mm×155.5 mm×415mm (W×H×D)	18 kg

### AC voltage

Range	0V~1V	1V~2V	2V~120V
Accuracy	±5mV	±0.5%	±0.2%

### AC current

Range	0-200mA (source 2)	0A~1A	1A~2A	2A~40A
Accuracy	±0.4mA	±5mA	±0.5%	±0.2%

### DC voltage

Range	0V~5V	5V~300V
Accuracy	±20mV	±0.5%

### DC current

Range	0-200mA (source 2)	0.2A~1A	1A~10A
Accuracy	±0.2mA	±5mA	±0.5%
Auxiliary DC accuracy	±1%		
Phase angle accuracy	<0.2°		
Frequency accuracy	±2mHz		

### Binary inputs

Number	2
Type	15V-250V(DC) or potential free
Sample rate	5KHz
Resolution	1ms
Debounce time	20ms
Isolation	Independent galvanic isolation

### Power supply

	110/220V±15%	50Hz	10A
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