

Specifications

The performance specifications of ARRAY 367X are listed in this chapter in details (Specifications are warranted in the temperature range of $25\pm 2^{\circ}\text{C}$ with a resistive load.). Please consult the relevant data in actual use.

Performance Specifications

	3672A	3673A	3674A
Output Ratings			
Voltage	0~35V	0~80V	0~120V
Current	0~22.5A	0~10A	0~6.5A
Ripple and Noise (20 Hz to 20 MHz)			
Voltage (root mean square value)	<10mVrms	<16mVrms	<16mVrms
Voltage (peak-to-peak value)	<20mVp-p	<25mVp-p	<80mVp-p
Current	<8mArms	<6mArms	<5mArms
Common Mode Current	1.5mArms	1.5mArms	1.5mArms
Load Regulation			
Voltage	3mV	3mV	3mV
Current	2mA	2mA	2mA
Line Regulation			
Voltage	2mV	2mV	2mV
Current	1mA	1mA	1mA
Programming Accuracy			
Voltage	0.03%+5mV	0.03%+10mV	0.03%+15mV
Current	0.5%+6mA	0.5%+5mA	0.5%+5mA
Readback Accuracy			
Voltage	0.02%+2mV	0.02%+5mV	0.02%+8mV
Current	0.2%+5mA	0.2%+5mA	0.2%+5mA
Programming Resolution			
Voltage	1mV	1mV	1mV(@0-100V) 10mV(@100-120V)
Current	1mA	1mA	1mA
Readback Resolution			
Voltage	1mV	2mV	4mV
Current	1mA	1mA	1mA
Meter Resolution			
Voltage	1mV	2mV	1mV(@0-100V) 10mV(@100-120V)
Current	1mA	1mA	1mA

Transient Response Time

Less than 2ms for output to recover to within 100 mV following a change in output current from full load to half load or vice versa

Command Processing Time

Programming Commands: Maximum time for output to change after receiving APPLy and SOURce commands: <50msec

Readback Command: Maximum time to readback output MEASure? command: <100msec

The Other Commands: < 50msec

Supplemental Characteristics

Output Programming Range (maximum programmable values)

	3672A	3673A	3674A
Voltage	0~35.2V	0~80.2V	0~120.2V
Current	0~22.5A	0~10A	0~6.5A

Temperature Coefficient, \pm (% of output + offset)

Maximum change in output/readback per °C after a 30-minute warm-up.

	3672A	3673A	3674A
Voltage	30ppm + 0.5mV	30ppm+ 0.8mV	30ppm+ 1mV
Current	30ppm + 0.2mA	30ppm+ 0.1mA	30ppm + 0.1mA

Stability, \pm (% of output + offset)

Following a 30-minute warm-up, the change occurs in output within 8 hours under constant load, line, and ambient temperature.

	3672A	3673A	3674A
Voltage	0.02% + 2mV	0.02% +3mV	0.02% + 4mV
Current	0.2% + 6mA	0.3% + 3mA	0.1% +2mA

Voltage Programming Speed

Maximum time required for output voltage to settle within 1% of its total excursion (for resistive load). Command processing time is excluded.

	3672A	3673A	3674A
Full load Up	50msec	50msec	60msec
Full load Down	50msec	50msec	60msec
No load Up	50msec	50msec	60msec
No load Down	200msec	300msec	300msec

AC Input Ratings

AC180V-265V	47Hz~63Hz	1050VA Max
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Operating Temperature

0~40°C	0~80%RH
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Cooling

Fan Cooling

Output Voltage Overshoot

<1V

Programming Language

SCPI (Standard Commands for Programmable Instruments)

Recommended Calibration Interval

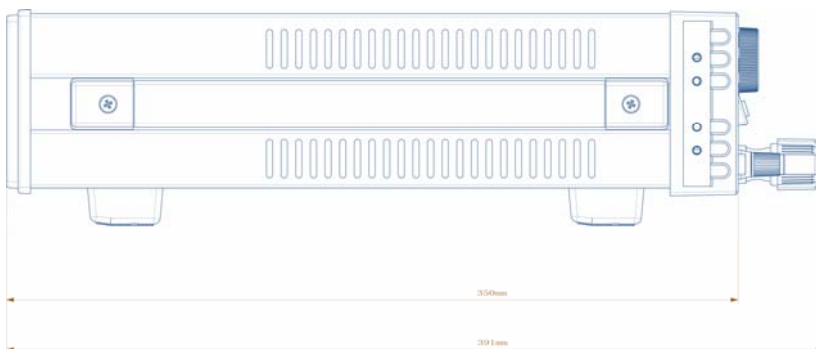
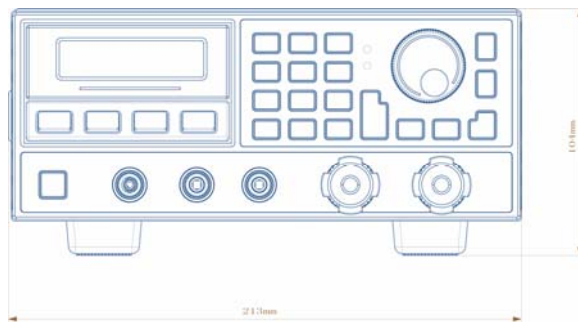
1 year

Net Weight

5.5 kg

Dimensions

Clear Dimension



Dimension with cover

