Specifications

The performance specifications of ARRAY 366XA are listed in this chapter in details (Specifications are warranted in the temperature range of 25±2℃ with a resistive load.). Please consult the relevant data in actual use.

Performance Specifications

	3662A	3663A	3664A
Output Ratings			
Voltage	0～35V	0～80V	0～120V
Current	0～14.5A	0～6.5A	0～4.2A
Ripple and Noise (20 Hz to 20 MHz)			
Voltage（root mean square value）	<5mVrms	<8mVrms	<8mVrms
Voltage（peak-to-peak value）	<10mVp-p	<14mVp-p	<18mVp-p
Current	<2mArms	500uArms	500uArms
Common Mode Current	1.5mArms	1.5mArms	1.5mArms
Load Regulation			
Voltage	1mV	1mV	2mV
Current	1mA	0.5mA	0.3mA

Line Regulation			
Voltage	1mV	1mV	2mV
Current	1mA	0.5mA	0.3mA
Programming Accuracy			
Voltage	0.03%+5mV	0.03%+10mV	0.03%+15mV
Current	0.03%+6mA	0.03%+3mA	0.03%+2mA
Readback Accuracy			
Voltage	0.02%+2mV	0.02%+5mV	0.02%+8mV
Current	0.02%+5mA	0.02%+2.5mA	0.02%+1.5mA
Programming Resolution			
Voltage	1mV	2mV	4mV
Current	1mA	1mA	1mA
Readback Resolution			
Voltage	1mV	2mV	4mV
Current	1mA	1mA	1mA
Meter Resolution			
Voltage	1mV	2mV	4mV
Current	1mA	1mA	1mA

Transient Response Time

Less than 1ms 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)

	3662A	**3663A**	**3664A**
Voltage	0～35.2V	0～80.2V	0～120.2V
Current	0～14.5A	0～6.5A	0～4.2A

Temperature Coefficient, ±(% of output + offset)

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

	3662A	**3663A**	**3664A**
Voltage	30ppm + 0.5mV	30ppm+ 0.8mV	30ppm+ 1mV
Current	30ppm + 0.2mA	30ppm+ 0.1mA	30ppm + 0.1mA

Stability, ±(% of output + offset)

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

	3662A	**3663A**	**3664A**
Voltage	0.02% + 2mV	0.02% +3mV	0.02% + 4mV
Current	0.02% + 6mA	0.02% + 3mA	0.02% +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.

	3662A	**3663A**	**3664A**
Full load Up	20msec	22msec	22msec
Full load Down	22msec	22msec	22msec
No load Up	20msec	20msec	22msec
No load Down	22msec	22msec	22msec

AC Input Ratings

AC100V-240V	47Hz～63Hz	750VA Max

Operating Temperature

0～40℃	0～80%RH

Cooling

Fan Cooling

Programming Language

SCPI (Standard Commands for Programmable Instruments)

Recommended Calibration Interval

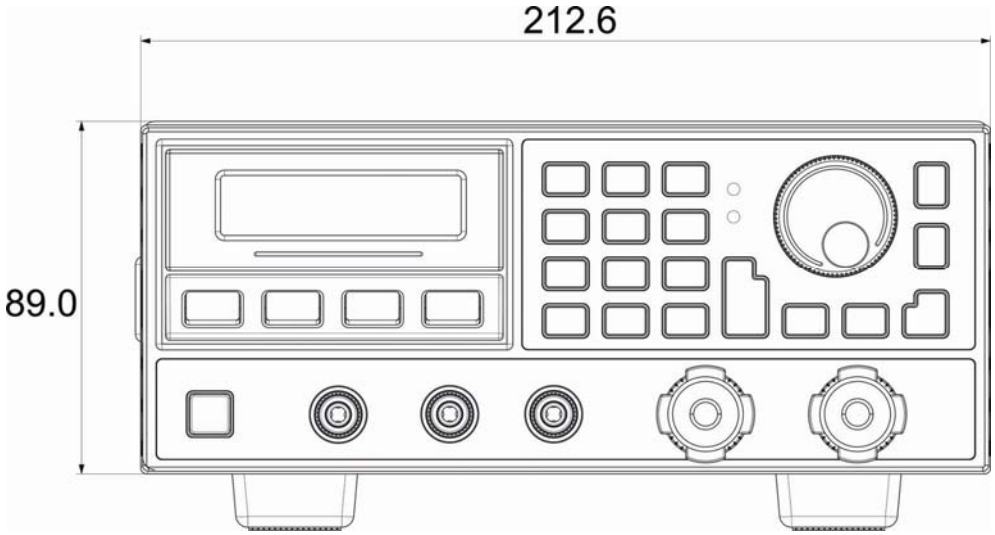
1 year

Net Weight

5.5 kg

Dimensions

212.6mm(W)×132.6mm(H)×360mm(D) (8.4×5.2×14.2 in)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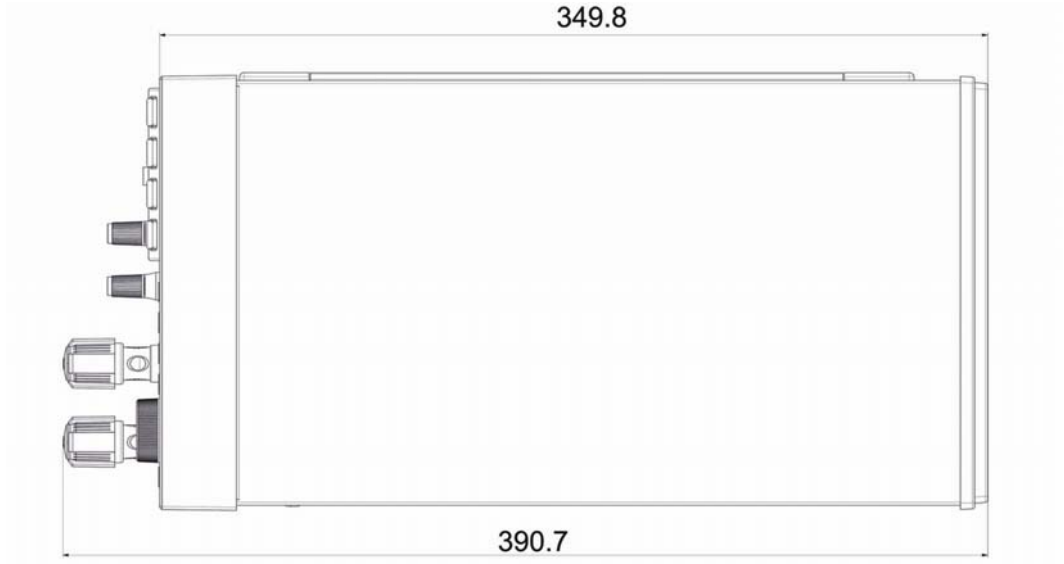
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