

OPX-55SE SPECIFICATION

Output rating(@0°C ~ 40°C) Full channel Common Earth

Voltage 1V to 5V variable
Current 5A Fixed

Output Watt

200W

Programming Accuracy(@25°C ±5°C)±(%of output + offset)

Voltage 1% + 30mV
Current Programming mode is not supported.

Readback Accuracy(@25°C ±5°C)±(%of output + offset)

Voltage 1% + 30mV
Current 1% + 20mA

Ripple and Noise(20Hz to 20MHz)

Voltage $\leq 10\text{mVrms}$

Load Regulation(with V-Sensing)

Voltage Less than 100mV

Line Regulation(with V-Sensing)

Voltage Less than 100mV

Resolution

Programming	Voltage	30mV
Readback	Voltage	6mV
	Current	6mA
Display Meter	Voltage	10mV
	Current	10mA

Temperature Coefficient ±(%of output + offset) After a 30-minute warm-up

Voltage 0.2% + 20mV
Current 0.2% + 30mA

Stability ±(%of output + offset) After a 1 hour warm-up

Voltage 0.2% + 20mV
Current 0.2% + 30mA

Transient Response Time

Less than 100 μ s for output to recover to within 15mV following a Change in output current from full load to half load or vice versa.

Voltage Programming Speed (10% ~ 90% or 90% ~ 10% change)

No load	Rising time	\leq 100ms
	Falling time	\leq 500 ms
Half load	Rising time	\leq 100ms
	Falling time	\leq 100ms

OVP and OCP Accuracy \pm (%of output + offset)

OVP	5% + 0.5V
OCP	5% + 0.5A
Activation Time	< 80ms when maximum output rating

Output Voltage Overshoot & Undershoot

Power Switch ON/OFF	No overshoot, undershoot : \leq -0.8V
Voltage Output Setting	No overshoot, No undershoot

Remote Interface

RS232C(38400bps Fixed-type) Each channel include RS485

Programming Language

SCPI(Standard Commands for Programmable Instruments)

Command Processing Average Time (RS232C@38400bps)

Apply and Output Setting	Setting	28ms
	Query	32ms
Measurement		32ms
The Other		<35ms

Remote Sensing Capability

Voltage Drop	Up to 1V per each lead
Max Output	Max 5.5V output possible

Operation Temperature

0 $^{\circ}$ C ~ 40 $^{\circ}$ C for full rated output. At higher temperatures the output current is derated linearly to 50% at 55 $^{\circ}$ C maximum temperature.

Cooling

Natural air-cooled

Output Terminal Isolated (maximum, from chassis ground)

$\pm 30\text{V}$ output is $\pm 60\text{ Vdc}$ when connecting shorting conductors without insulation to the (+)output to the (+)sense and the (-) output and the (-)sense terminals.

AC Input Ratings

99Vac ~ 242Vac 50~60Hz Free-voltage

Calibration Interval

Precision 6 month

Recommended 1 year

Dimensions (Special order made)

See Attachment

Maximum Input Power(full load)

$\leq 300\text{W}$

About Weight

Net weight 9kg

Gross weight 10kg