

SPECIFICATIONS

Programmable DC Power Supply

MODEL: OPS-505



Parameter			Specifications
voltage Voltage			0 to 50V
0.1.1.1.1.1.1.1	Current		0 to 5A
Output WATT			250W
,	ogramming Accuracy Voltage		0.05%+16.7mV
(@25°C ±5°C)±(%of output + offset)	Current		0.2%+5.0mA
Readback Accuracy	Voltage		0.05%+8.3mV
25℃ ±5℃)±(%of output + offset) Current			0.2%+2.5mA
Ripple and Noise(20Hz to 20MHz)	Voltage		≤ 3mVp-p
The product of the control of the co	Current		≤ 2mArms
Load Regulation	Voltage		3.3mV
Load Negulation	Current		0.5mA
Line Degulation	Voltage		0.8mV
Line Regulation	Current		0.5mA
Desclution	Programming/Readback		≤0.42mV / ≤0.05mA
Resolution	Display Meter		1mV / 0.1mA
Femperature Coefficient ±(%of output + offset) Voltage			0.05%+5.0mV
After a 30-minute warm-up	Current		0.2%+2.5mA
Stability ±(%of output + offset)	Voltage		0.05%+1.7mV
After a 1 hour warm-up	Current		0.2%+1.0mA
Atter a Friedri warm up	ounone		
Transient Response Time			Less than 50 s for output to recover to within 15mV following a change in output current from full load to half load or vice versa
		Dioin a time	≤ 7.5V/ms
Voltage Programming Speed	No load	Rising time	- 1 - 1
		Falling time	≤ 3V/ms
	Half load	Rising time	≤ 3,25V/ms
		Falling time	≤ 6V/ms
Remote Sensing Capability	Voltage Drop		Up to 1V per each lead
	Load Regulation		Add 5 mV to spec for each 1-volt change in the + output lead due to load current changes
	Load Voltage		Subtract voltage drop in load leads from specified output voltage ratiing.
	OVP		5% + 0.5V
OVP and OCP Accuracy ±(%of output + offset)	OCP		5% + 0.5V
	Activation Time		< 80ms when maximum output rating
	Power Switch ON/OFF		No overshoot, undershoot : ≤ -0.8V
Output Voltage Overshoot & Undershoot	Voltage Output Setting		No overshoot, No undershoot
Remote Interface		atput detting	GPIB(IEEE-488.2) Option , RS232C Standard
Programming Language			SCPI(Standard Commands for Programmable Instruments)
Command Processing Time(average)	Apply Output Setting		Setting 20ms
			Query 32ms
			Voltage & Current Setting 15ms
			Voltage & Current Query 32ms
	Measurement		Voltage & Current Query 32ms
	The Other		Setting & Query < 35ms
State Storage Memory			Ten user-configurable(voltage,current,OVP & OCP level)stored states
	Step(Voltage, Current,		Maximum 100 steps
Cycling Mode	Slope & Delay time)		0000 96 400000 (04 hours)
Cycling Mode	Slope time		0sec ~ 86,400sec (24 hours)
	Delay time		100ms ~ 86,400sec(24 hours)
	Repeat		Maximum 15milion times
Operation Temperature			0°C ~ 40°C for full rated output. At higher temperatures the output current is derated linearly to 50% at 55°C maximum temperature
Cooling			Isolation DC FAN
			±60 Vdc when connecting shorting conductors without insulation to the (+)output to the
Output Terminal Isolated (maximum, from chassis ground)			(+)sense and the (-)output and the (-)sense terminals
AC Input Ratings	Standard		220V ± 10% 50~60Hz
	Option		110V ± 10% 50~60Hz
			115V ± 10% 50~60Hz
			230V ± 10% 50~60Hz
Calibration Interval	Precision		6 month
	Recommended		1 year
			213mm(W) * 133mm(H) * 394mm(D)
Dimensions (19-inch 3U Standard)	Included the bumper		226mm(W) * 147mm(H) * 394mm(D)
Maximum Input Power(full load)	Intoluded the builiber		
Net weight			681.6W
Weight	Net weight Gross weight		11.5kg 13.5kg
[vveight			