SPECIFICATIONS Programmable DC Power Supply



MODEL : OPS-2002

Parameter			Specifications	
Output rating(@0°C ~ 40°C)			0 to 200	
	Current		0 to 2	
Output WATT	Dutput WATT		400W	
Programming Accuracy	Voltage		0.05% + 75mV	
(@25℃ ±5℃)±(%of output + offset)	Current		0.15% + 5mA	
Readback Accuracy	Voltage		0.05% + 40mV	
(@25℃ ±5℃)±(%of output + offset)	C)±(%of output + offset) Current		0.08% + 3mA	
Ripple and Noise(20Hz to 20MHz)			≤ 0.01%mVrms	
	Current		≤ 3mArms	
Load Regulation (@V-Sensing)	Voltage		≤ 4mV	
	Current		≤ 500 <i>µ</i> A	
Line Regulation (@V-Sensing)	Voltage		≤ 1mV	
	Current		≤ 500 <i>µ</i> A	
Resolution	Programming/Readback		$\leq 2mV / \leq 20\mu A$	
Display Meter		10mV / 100µA		
	perature Coefficient ±(%of output + offset)		0.01% + 30mV	
After a 30-minute warm-up	Current		0.02% + 3mA	
Stability ±(%of output + offset)			0.02% + 30mV	
ter a 1 hour warm-up Current			0.1% + 1mA	
Transient Response Time			Less than 50//s for output to recover to within 15mV following a change in output curren	
			from full load to half load or vice versa	
Voltage Programming Speed	No load	Rising time	≤ 7.5V/ms	
		Falling time	≤ 3V/ms	
	Half load	Rising time	≤ 3.25V/ms	
	- Iai Ioaa	Falling time	≤ 6V/ms	
	Voltage Drop		Up to 1V per each lead	
Remote Sensing Capability	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)	t) OCP		5% + 0.5V	
	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			GPIB(IEEE-488.2) Option, RS23	2C Standard
Programming Language	1		SCPI(Standard Commands for Pr	ogrammable 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,cu	urrent,OVP & OCP level)stored states
	Step(Voltage,Current,		Maximum 100 steps	
	Slope & Delay time)			
Cycling Mode	Slope time		0sec ~ 86,400sec (24 hours)	
	Delay time		100ms ~ 86,400sec(24 hours)	
	Repeat		Maximum 15milion times	
Operation Temperature				At higher temperatures the output current is derated
			linearly to 50% at 55°C maximum temperature	
Cooling			Isolation DC FAN	
Output Terminal Isolated (maximum, from chassis ground)			± 60 Vdc when connecting shorting conductors without insulation to the (+)output to the (+)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	
Dimensions	Standard		426mm(W) * 177mm(H) * 505mm(D) 19-inch 4U Standard Size	
	Option		300mm(W) * 150mm(H) * 465mm(D) Non Standard Small Size	
Maximum Input Power(full load)			1067W	
Net weight			16kg	
Weight	Net weight		IOKG	