

SPECIFICATIONS

Programmable DC Power Supply

MODEL: OPS-5010



Output rating(@0°C ~ 40°C) Output WATT Programming Accuracy (@25°C ±5°C)±(%of output + offset) Readback Accuracy (@25°C ±5°C)±(%of output + offset) Ripple and Noise(20Hz to 20MHz)			0 to 50V 0 to 10A 500W 0.05%+16.7mV	Specifications	
Output WATT Programming Accuracy (@25°C ±5°C)±(%of output + offset) Readback Accuracy (@25°C ±5°C)±(%of output + offset) COUNTY OF THE PROPERTY OF THE PROP	/oltage Current /oltage Current		500W		
Programming Accuracy (@25°C ±5°C)±(%of output + offset) Readback Accuracy (@25°C ±5°C)±(%of output + offset) Ripple and Noise(20Hz to 20MHz)	Current /oltage Current				
(@25°C ±5°C)±(%of output + offset) C Readback Accuracy V (@25°C ±5°C)±(%of output + offset) C Ripple and Noise(20Hz to 20MHz) C	Current /oltage Current		0.05%+16.7mV		
Readback Accuracy (@25°C ±5°C)±(%of output + offset) Ripple and Noise(20Hz to 20MHz)	/oltage Current		0.05%+16.7mV		
(@25°C ±5°C)±(%of output + offset) Ripple and Noise(20Hz to 20MHz)	Current		0.2%+10.0mA		
Ripple and Noise(20Hz to 20MHz)			0.05%+8.3mV		
Ripple and Noise(20Hz to 20MHz)	/oltage			0.2%+5.0mA	
	20Hz to 20MHz)		≤ 3mVp-p		
	Current		≤ 3mArms		
∥Load Regulation ⊢	Voltage		3.3mV		
	Current		1.0mA		
II ine Regulation ⊢	Voltage Current		0.8mV 1.0mA		
	Programming/Readback		≤0.42mV / ≤0.10mA		
Resolution	Display Meter		SU.42mV / SU.10mA		
nperature Coefficient ±(%of output + offset) Voltage		lei	0.05%+5.0mV		
· · · · · · · · ·	-		0.2%+5.0mA		
			0.05%+1.7mV		
· · · ·			0.2%+2.0mA		
· · · · · · · · · · · · · · · · · · ·			Less than 50 \(\mu \) for output to recover to within 15mV following a change in output current		
Transient Response Time			from full load to half load or vice versa		
	No load	Rising time	≤ 7.5V/ms		
Voltage Programming Speed	110 1000	Falling time	≤ 3V/ms		
Voltage i Togramming opeou	Half load	Rising time	≤ 3.25V/ms		
	Falling time		≤ 6V/ms		
Remote Sensing Capability			Up to 1V per each lead		
			Add 5 mV to spec for each 1-volt change in the + output lead due to load current changes		
	Load Voltage OVP		Subtract voltage drop in load leads from specified output voltage rating. 5% + 0.5V		
OVP and OCP Accuracy \pm (%of output + offset) C			5% + 0.5V		
I	Activation Time		< 80ms when maximum output rating		
			No overshoot, undershoot : ≤ -0.8\		
Output Voltage Overshoot & Undershoot 📙			No overshoot, No undershoot		
Remote Interface		GPIB(IEEE-488.2) Option , RS232C Standard			
Programming Language			SCPI(Standard Commands for Programmable Instruments)		
			Setting 20ms		
	Apply		Query	32ms	
	Output Setting		Voltage & Current Setting	15ms	
			Voltage & Current Query	32ms	
	Measurement		Voltage & Current Query	32ms	
Т	Γhe Other		Setting & Query	< 35ms	
State Storage Memory			Ten user-configurable(voltage,curre	ent,OVP & OCP level)stored states	
I	Step(Voltage,Current,		Maximum 100 steps		
<u> </u>	Slope & Delay time)		· ·		
' ' ' ' '	Slope time		0sec ~ 86,400sec (24 hours)		
<u> </u>	Delay time		100ms ~ 86,400sec(24 hours)		
<u> </u>	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		
Output Terminal Isolated (maximum, from chassis ground)			±60 Vdc when connecting shorting	± 60 Vdc when connecting shorting conductors without insulation to the (+)output to the	
			(+)sense and the (-)output and the (-)sense terminals		
	Standard		220V ± 10% 50~60Hz		
AC Input Ratings	Option		110V ± 10% 50~60Hz 115V ± 10% 50~60Hz		
			230V ± 10% 50~60Hz		
			230V ± 10% 50~60HZ 6 month		
Calibration Interval	Recommended		1 year		
Dimensions		300mm(W) * 150mm(H) * 465mm(D)			
Maximum Input Power(full load)			1323.2W		
Net we			19kg		
∥Weight ⊢	Gross weig	ht	21kg		