

SPECIFICATIONS

Programmable DC Power Supply

MODEL: OPM-1005D



Parameter			Specifications	
Output rating(@0°C ~ 40°C)	Channel 1		0 to 100V / 0 to 5A	
- Couput rating(@0.0 40.0)	Channel 2		0 to 100V / 0 to 5A	
Output WATT			1000W	
Programming Accuracy	Voltage		0.05%+33.3mV	
(@25℃ ±5℃)±(%of output + offset)	Current		0.2%+5.0mA	
Readback Accuracy	Voltage		0.05%+16.7mV	
(@25℃ ±5℃)±(%of output + offset)	Current		0.2%+2.5mA	
Ripple and Noise(20Hz to 20MHz)	Voltage		≤ 0.01%mVrms	
	Current		≤ 2mArms	
Load Regulation	Voltage Current		6.7mV 0.5mA	
Line Regulation	Voltage		1.7mV	
	Current		0.5mA	
	Programming/Readback		SINA SO.83mV SO.05mA SO.05m	
Resolution	Display Meter		10mV / 0.1mA	
Temperature Coefficient ±(%of output + offset			0.05%+10.0mV	
After a 30-minute warm-up	Current		0.2%+2.5mA	
Stability ±(%of output + offset)	Voltage		0.05%+3.3mV	
After a 1 hour warm-up	Current		0.2%+1.0mA	
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		
	0:: "		≤ 7.5V/ms	
Voltage Programming Speed	No load	Rising time		
		Falling time	≤ 3V/ms ≤ 3.25V/ms	
	Half load	Rising time	≤ 6V/ms	
	1		5% + 0.5V	
OVP and OCP Accuracy ±(%of output + offset)			5% + 0.5V 5% + 0.5A	
Town and Oor Accuracy ±(700) output 1 onset	Activation Time		< 80ms when maximum output rating	
Tracking Accuracy			0.1% + 10mV	
Tracking recurses	Power Switch ON/OFF		No overshoot, undershoot : ≤ -0.8V	
Output Voltage Overshoot & Undershoot	Voltage Output Setting		No overshoot, No undershoot	
Remote Interface			GPIB(IEEE-488.2) Option , RS232C Standard	
Programming Language			SCPI(Standard Commands for Programmable Instruments)	
Command Processing Time(average)	Annly		Setting	28ms
	Apply		Query	32ms
	Output Setting		Voltage & Current Setting	28ms
			Voltage & Current Query	32ms
	Measurement		Voltage & Current Query	Present mode: 47ms Buffer mode: 32ms
	The Other		Setting & Query	< 35ms
State Storage Memory			Ten user-configurable(voltage,current,OVP & OCP level)stored states	
	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 atiing.	
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 AC FAN	
Output Terminal Isolated (maximum, from chassis ground)			±30V output is ±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	
			110V ± 10% 50~60Hz	
			115V ± 10% 50~60Hz	
			230V ± 10% 50~60Hz	
Calibration Interval	Precision Recommended		6 month	
Dimensions (19-inch 4U Standard , not include output ter			1 year 426mm(W) * 177mm(H) * 505mm(D)	
Maximum Input Power(full load)			426mm(W) * 17/mm(H) * 505mm(D) 2646.4W	
Maximum input i ower(full load)	Net weight		35kg	
Weight			36.5kg	
	S. 500 Wolgill		00.00	