

SPECIFICATIONS

Programmable DC Power Supply

MODEL: OPM-502D



Parameter			Specifications		
Channel 1		0 to 50V / 0 to 2A			
Output rating(@0°C ~ 40°C)	put rating(@0℃ ~ 40℃) Channel 2		0 to 50V / 0 to 2A		
Output WATT		200W			
Programming Accuracy	Voltage		0.05%+16.7mV		
(@25℃ ±5℃)±(%of output + offset)	Current		0.2%+2.0mA		
Readback Accuracy	Voltage		0.05%+8.3mV		
(@25℃ ±5℃)±(%of output + offset)			0.2%+1.0mA		
(8222 223)2(1101 823)211 811217	Voltage		≤ 3mVp-p		
Ripple and Noise(20Hz to 20MHz)	Current		≤ 2mArms		
	Voltage		3.3mV		
Load Regulation	Current		0.2mA		
Line Regulation	Voltage		0.8mV		
	Current		0.2mA		
	Programming/Readback		≤0.42mV / ≤0.02mA		
Resolution	Display Meter		1mV / 0.1mA		
Temperature Coefficient ±(%of output + offset			0.05%+5.0mV		
After a 30-minute warm-up	· · · · · · · · · · · · · · · · · · ·		0.2%+1.0mA		
Stability ±(%of output + offset)	Voltage		0.05%+1.7mV		
After a 1 hour warm-up	Current		0.2%+0.4mA		
ansient Response Time		Less than 50 ps for output to recover to within 15mV following a change in output current from full load to half load or vice versa			
	Rising time		≤ 7.5V/ms		
Voltage Programming Speed	No load	Falling time	≤ 3V/ms		
		Rising time	≤ 3.25V/ms		
	Half load	Falling time	≤ 6V/ms		
	OVP		5% + 0.5V		
OVP and OCP Accuracy ±(%of output + offset)			5% + 0.5A		
Town and Oor Accuracy ±(700) output 1 onset	Activation Time		< 80ms when maximum output rating		
Tracking Accuracy		Time	0.1% + 10mV		
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)	Apply		Setting	28ms	
			Query	32ms	
	Output Setting Measurement		Voltage & Current Setting	28ms	
			Voltage & Current Query	32ms	
			Voltage & Current Query	Present mode: 47ms Buffer mode: 32ms	
	The Other	- CIII	Setting & Query	< 35ms	
State Storage Memory	1110 0 0 1101		Ten user-configurable(voltage,current,OVP & OCP level)stored states		
otate otorage Memory	Voltage Drop		Up to 1V per each lead		
1	Voltage Drop		Add 5 mV to spec for each 1-volt change in the + output lead due to load current		
Remote Sensing Capability	Load Regulation		changes.		
	Load Voltage		Subtract voltage drop in load leads from specified output voltage atiling.		
	Load Voltage			0℃ ~ 40℃ for full rated output. At higher temperatures the output current is derated	
Operation Temperature Cooling			linearly to 50% at 55°C maximum to		
			1	Isolation DC FAN	
Output Terminal Isolated (maximum, from chassis ground)			±30V output is ±60 Vdc when connecting shorting conductors without insulation to the		
	Standard		(+)output to the (+)sense and the (-)output and the (-)sense terminals 220V ± 10% 50~60Hz		
AC Input Ratings	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)			593.3W		
	Net weight		11.5kg		
Weight	Gross weight		13kg		
	Tainos Mei	giil	110.0		