

SPECIFICATIONS

Programmable DC Power Supply

MODEL: OPM-301D



Parameter			Specifications		
Output rating(@0℃ ~ 40℃)	Channel 1 Channel 2		0 to 30V / 0 to 1A 0 to 30V / 0 to 1A		
l a sa		60W			
Output WATT Programming Accuracy Voltage					
(@25 $^{\circ}$ ±5 $^{\circ}$)±(%of output + offset)	Voltage		0.05%+10.0mV		
	Current		0.2%+1.0mA		
Readback Accuracy (@25°C ±5°C)±(%of output + offset)	Voltage		0.05%+5.0mV 0.2%+0.5mA		
(@25 C ±5 C)±(%01 output + offset)	utput + offset) Current Voltage				
Ripple and Noise(20Hz to 20MHz)			≤ 2mVp−p		
	Current		≤ 2mArms 2.0mV		
Load Regulation	Voltage		0.1mA		
Line Regulation	Current		0.5mV		
	Voltage				
	Current Programming/Readback		0.1mA ≤0.25mV / ≤0.01mA		
Resolution					
T	Display Meter		1mV / 0.1mA 0.05%+3.0mV		
Temperature Coefficient ±(%of output + offset) Voltage					
After a 30-minute warm-up	Current		0.2%+0.5mA 0.05%+1.0mV		
Stability ±(%of output + offset)	Voltage		0.05%+1.0mV 0.2%+0.2mA		
After a 1 hour warm-up	Current				
Transient Response Time		Less than 50,65 for output to recover to within 15mV following a change in output current from full load to half load or vice versa			
Voltage Programming Speed	No load	Rising time	≤ 7.5V/ms		
	110 load	Falling time	≤ 3V/ms		
	Half load	Rising time	≤ 3.25V/ms		
	Tiali loau	Falling time	≤ 6V/ms		
	OVP		5% + 0.5V		
OVP and OCP Accuracy \pm (%of output + offset	OCP		5% + 0.5A		
	Activation Time		< 80ms when maximum output rati	< 80ms when maximum output rating	
Tracking Accuracy		0.1% + 10mV			
Output Voltage Overshoot & Undershoot Power Switch ON/OFF Voltage Output Setting		No overshoot, undershoot : ≤ -0.8	3V		
		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		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 atiling.		
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		
Outsut Taminal Indicated (sections of			± 30 V output is ± 60 Vdc when connecting shorting conductors without insulation to the		
Output Terminal Isolated (maximum, from chassis ground)			(+)output to the (+)sense and the (-)output and the (-)sense terminals		
AC Input Ratings Calibration Interval	Standard		220V ± 10% 50~60Hz 110V ± 10% 50~60Hz		
	Option		115V ± 10% 50~60Hz		
				230V ± 10% 50~60Hz	
	Precision				
			6 month		
	Recommended Excepted the humber		1 year		
Dimensions (19-inch 3U Standard)	Excepted the bumper		213mm(W) * 133mm(H) * 394mm(D)		
Mayimum lanut Devertoul Lee 1	Included the bumper		226mm(W) * 147mm(H) * 394mm(D)		
Maximum Input Power(full load) Net weight		234.0W			
Weight Gross weight			9.5kg		
Gros		gnt	11kg		