

SPECIFICATIONS

Programmable DC Power Supply

MODEL : OPE-2002S



ODA

TECHNOLOGIES
www.odacore.com

Parameter			Specifications	
Output rating(@0℃ ~ 40℃)			0 to 200V / 0 to 2A	
Output WATT			400W	
Programming Accuracy (@25℃ ±5℃)±(%of output + offset)	Voltage	0.2% + 900mV		
	Current	0.2% + 15mA		
Readback Accuracy (@25℃ ±5℃)±(%of output + offset)	Voltage	0.1% + 900mV		
	Current	0.1% + 15mA		
Ripple and Noise(20Hz to 20MHz)	Voltage	≤ 10mVp-p		
	Current	≤ 2mA _{rms}		
Load Regulation (@25℃ ±5℃)±(%of output + offset)	Voltage	0.01% + 150mV		
	Current	0.01% + 500μA		
Line Regulation (@25℃ ±5℃)±(%of output + offset)	Voltage	0.01% + 150mV		
	Current	0.01% + 500μA		
Resolution	Programming/Readback	≤ 70mV / ≤ 0.8mA		
	Display Meter	1V(3-DIGIT) / 10mA(3-DIGIT)		
Temperature Coefficient ±(%of output + offset)	Voltage	0.02% + 20mV		
After a 30-minute warm-up	Current	0.05% + 3mA		
Stability ±(%of output + offset)	Voltage	0.1% + 20mV		
After a 1 hour warm-up	Current	0.2% + 3mA		
Transient Response Time			Less than 50μs for output to recover to within 50mV following a change in output current from full load to half load or vice versa	
Voltage Programming Speed (10% ~ 90%)	No load	Rising time	≤ 120ms	
		Falling time	≤3.6s	
	Half load	Rising time	≤ 120ms	
		Falling time	≤ 15ms	
Output Voltage Overshoot & Undershoot	Power Switch ON/OFF	No overshoot, undershoot : ≤0V ~ ≥ -0.3V		
	Voltage Output Setting	No overshoot, No undershoot		
Remote Interface			RS232C Standard (RS485 Option)	
Programming Language			SCPI(Standard Commands for Programmable Instruments)	
Command Processing Average Time (@19200bps)	Output Setting	Voltage & Current Setting	10ms	
		Voltage & Current Query	12ms	
	Measurement	Voltage & Current Query	15ms	
	The Other	Setting & Query	32ms	
State Storage Memory			Five user-configurable(voltage,current)stored states	
Operation Temperature Range			0℃ ~ 40℃ for full rated output. At higher temperatures the output current is derated linearly to 50% at 55℃ maximum temperature	
Cooling			Isolation DC 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		
	Option	100V ± 10% 50~60Hz		
		230V ± 10% 50~60Hz		
Calibration Interval	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)			1.07KW	
Weight	Net weight	16kg		
	Gross weight	17.5kg		

※ 주문자 사양 모델은 spec변경이 이루어질 수 있습니다.

