

SPECIFICATIONS

Programmable DC Power Supply

MODEL : OPE-1005DI



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Parameter			Specifications	
Output rating(@0℃ ~ 40℃) <i>Full channel isolated</i>	Channel 1		0 to 100V / 0 to 5A	
	Channel 2		0 to 100V / 0 to 5A	
Output WATT			1000W	
Programming Accuracy (@25℃ ±5℃)±(%of output + offset)	Voltage		0.5% + 850mV	
	Current		0.2% + 25mA	
Readback Accuracy (@25℃ ±5℃)±(%of output + offset)	Voltage		0.5% + 850mV	
	Current		0.2% + 25mA	
Ripple and Noise(20Hz to 20MHz)	Voltage		≤ 0.01% <i>mV</i> rms	
	Current		≤ 3 <i>mA</i> rms	
Load Regulation (@25℃ ±5℃)±(%of output + offset)	Voltage		0.01% + 5mV	
	Current		0.01% + 1mA	
Line Regulation (@25℃ ±5℃)±(%of output + offset)	Voltage		0.01% + 5mV	
	Current		0.01% + 1mA	
Resolution	Programming/Readback		≤ 30mV / ≤ 1.5mA	
	Display Meter		1V(3-DIGIT) / 10mA(3-DIGIT)	
Temperature Coefficient ±(%of output + offset) After a 30-minute warm-up	Voltage		0.02% + 20mV	
	Current		0.05% + 3mA	
Stability ±(%of output + offset) After a 1 hour warm-up	Voltage		0.1% + 5mV	
	Current		0.2% + 5mA	
Transient Response Time			Less than 50 <i>μ</i> s 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 (10% ~ 90%)	No load	Rising time	≤ 120ms	
		Falling time	≤3.6s	
	Half load	Rising time	≤ 120ms	
		Falling time	≤ 15ms	
Tracking Accuracy			0.5% + 200mV	
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 AC FAN	
Output Terminal Isolated (maximum, from chassis ground)			±30V output is ±60 Vdc when connecting shorting conductors without insulation between the (+),(-) output terminals and shassis.	
AC Input Ratings	Standard	220V ± 10% 50~60Hz		
		100V ± 10% 50~60Hz		
	Option	110V ± 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	
Maximum Input Power(full load)			2606W	
Weight	Net weight		33kg	
	Gross weight		35kg	