SPECIFICATIONS

Programmable DC Power Supply

MODEL : OPE-20010S

ODA TECHNOLOGIES
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Parameter			Specifications	
Output rating(@0℃ ~ 40℃)			0 to 200V / 0 to 10A	
Output WATT			2 KW	
Programming Accuracy (@25℃ ±5℃)±(%of output + offset)	Voltage		0.5% + 900mV	
	Current		0.3% + 50mA	
Readback Accuracy (@25℃ ±5℃)±(%of output + offset)	Voltage		0.5% + 900mV	
	Current		0.3% + 50mA	
Ripple and Noise(20Hz to 20MHz)	Voltage		≤ 0.01%mVrms	
	Current		≤ 3mArms	
Load Regulation (@25℃ ±5℃)±(%of output + offset)	Voltage		0.01% + 150mV	
	Current		0.01% + 2mA	
Line Regulation (@25℃ ±5℃)±(%of output + offset)	Voltage		0.01% + 150mV	
	Current		0.01% + 2mA	
Resolution	Programming/Readback		≤ 70mV / ≤ 3mA	
	Display Meter		1V(3-DIGIT) / 100mA(3-DIGIT)	
Temperature Coefficient ±(%of output + offset) After a 30-minute warm-up	Voltage		0.02% + 20mV	
	Current		0.05% + 8mA	
Stability ±(%of output + offset) After a 1 hour warm-up	Voltage		0.1% + 20mV	
	Current		0.2% + 8mA	
Transient Response Time			Less than 50㎲ 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	≤ 120㎳	
		Falling time	≤3.6s	
	Half load	Rising time	≤ 120㎳	
		Falling time	≤ 15㎳	
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 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 (19-inch 5U Standard)			426mm(W) * 222mm(H) * 555mm(D)	
Maximum Input Power(full load)			5.17KW	
Weight	Net weight		67㎏	
	Gross weight		69㎏	

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