SPECIFICATIONS

Programmable DC Power Supply

MODEL : OPE-3020S

ODA TECHNOLOGIES
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Parameter			Specifications	
Output rating(@0℃ ~ 40℃)			0 to 30V / 0 to 20A	
Output WATT			600W	
Programming Accuracy (@25℃ ±5℃)±(%of output + offset)	Voltage		0.2% + 200mV	
	Current		0.2% + 100mA	
Readback Accuracy (@25℃ ±5℃)±(%of output + offset)	Voltage		0.2% + 200mV	
	Current		0.2% + 100mA	
Ripple and Noise(20Hz to 20MHz)	Voltage		≤ 3mVp-p	
	Current		≤ 3mArms	
Load Regulation (@25℃ ±5℃)±(%of output + offset)	Voltage		0.01% + 8mV	
	Current		0.01% + 2mA	
Line Regulation (@25℃ ±5℃)±(%of output + offset)	Voltage		0.01% + 8mV	
	Current		0.01% + 2mA	
Resolution	Programming/Readback		≤ 7.5mV / ≤ 5mA	
	Display Meter		100mV(3-DIGIT) / 100mA(3-DIGIT)	
Temperature Coefficient ±(%of output + offset) After a 30-minute warm-up	Voltage		0.02% + 4mV	
	Current		0.05% + 8mA	
Stability ±(%of output + offset) After a 1 hour warm-up	Voltage		0.1% + 5mV	
	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	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)			1579.8W	
Weight	Net weight		25㎏	
	Gross weight		27㎏	

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