

SPECIFICATIONS

Programmable DC Power Supply

MODEL: OPE-503Q



Parameter			Specifications	
	Channel 1		0 to 50V / 0 to 3A	
	Channel 2		0 to -50V / 0 to 3A	
Output rating(@0°C ~ 40°C)	Fixed output 1		5V / 2A	
	Fixed output 2		15V / 1A	
Output WATT			300W	
Programming Accuracy	Voltage		0.2% + 300mV	
(@25℃ ±5℃)±(%of output + offset)	Current		0.2% + 15mA	
Readback Accuracy	Voltage		0.2% + 300mV	
(@25℃ ±5℃)±(%of output + offset)	Current		0.2% + 15mA	
	Voltage		≤ 3mVp-p	
Ripple and Noise(20Hz to 20MHz)	Current		≤ 2mArms	
Load Regulation (@25℃ ±5℃)±(%of output + offset)	Voltage		0.01% + 2mV	
	Current		0.01% + 500 <i>µ</i> A	
Line Regulation (@25℃ ±5℃)±(%of output + offset)	Voltage		0.01% + 2mV	
	Current		0.01% + 500µA	
	Programming/Readback		≤ 15mV / ≤ 1mA	
Resolution	Display Meter		100mV / 10mA	
Temperature Coefficient ±(%of output + offset)	Voltage		0.02% + 2mV	
After a 30-minute warm-up	Current		0.02% + 3mA	
Stability ±(%of output + offset)	Voltage		0.1% + 5mV	
After a 1 hour warm-up	Current		0.2% + 5mA	
A HOST WARM AP	Cultoni		Less than 50 \(\mu \) for output to recover to within 15mV following a change in output current	
Transient Response Time			from full load to half load or vice versa	
Voltage Programming Speed (10% ~ 90%)	No load	Rising time	≤ 70ms	
		Falling time	≤1.5s	
	Half load	Rising time	≤ 70ms	
	Falling time		≤ 10ms	
Tracking Accuracy			0.5% + 100mV	
Output Voltage Overshoot & Undershoot	Power Switch ON/OFF		No overshoot, undershoot : \leq 0V \sim \geq -0.3V	
Super voltage evelsheet a emasioneet	Voltage Output Setting		No overshoot, No undershoot	
Remote Interface			RS232C Standard (RS485 Option)	
Programming Language			SCPI(Standard Commands for Progr	
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° C ~ 40° C for full rated output. At higher temperatures the output current is derated linearly to 50% at 55 $^\circ$ C maximum temperature		
Cooling			Isolation DC 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.	
	Standard		220V ± 10% 50~60Hz	
			100V ± 10% 50~60Hz	
AC Input Ratings			110V ± 10% 50~60Hz	
			230V ± 10% 50~60Hz	
Calibration Interval	Recommended		1 year	
Dimensions (19-inch Half 2U Standard , not include output terminal)			213mm(W) * 88mm(H) * 295mm(D)	
			213mm(W) * 88mm(H) * 295mm(D) 810W	
Maximum Input Power(full load)	Nat wester!		11 kg	
Weight			12.2kg	
	Gross weight		14.4Ng	