## SPECIFICATIONS Programmable DC Power Supply



## MODEL : OPM-1501D

in load - alf load -	ng/Readback ter Rising time Falling time	0 to 150V / 0 to 1A 0 to 150V / 0 to 1A 300W 0.05%+50.0mV 0.2%+1.0mA 0.05%+25.0mV 0.2%+0.5mA ≤ 0.01%mVrms ≤ 2mArms 10.0mV 0.1mA 2.5mV 0.1mA 2.5mV 0.1mA 0.1mA 0.05%+15.0mV 0.2%+0.5mA 0.05%+5.0mV 0.2%+0.5mA 0.05%+5.0mV 0.2%+0.2mA Less than 50/s for output to recove from full load to half load or vice ve ≤ 7.5V/ms	er to within 15mV following a change in output current	
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alf load		from full load to half load or vice ve		
alf load		$\leq 7.5 V/ms$		
alf load				
	Ū.	≤ 3V/ms		
	Rising time	≤ 3.25V/ms		
	Falling time	$\leq$ 6V/ms		
OVP		5% + 0.5V		
t) OCP		5% + 0.5A		
Activation Time		< 80ms when maximum output ratir	ng	
Tracking Accuracy		0.1% + 10mV	·	
Output Voltage Overshoot & Undershoot Power Switch ON/OFF		No overshoot, undershoot : $\leq -0.8$	V	
Voltage Output Setting		No overshoot, No undershoot		
Remote Interface		GPIB(IEEE-488.2) Option , RS232C Standard		
Programming Language		SCPI(Standard Commands for Programmable Instruments)		
Apply Output Setting		Setting	28ms	
		Query	32ms	
		Voltage & Current Setting	28ms	
		Voltage & Current Query	32ms	
Measurement The Other		Voltage & Current Query	Present mode: 47ms Buffer mode: 32ms	
		Setting & Query	< 35ms	
State Storage Memory		Ten user-configurable(voltage,curre	ent,OVP & OCP level)stored states	
Voltage Drop		Up to 1V per each lead		
Load Regulation		Add 5 mV to spec for each 1-volt c changes.	change in the + output lead due to load current	
Load Voltage		Subtract voltage drop in load leads	from specified output voltage atiing.	
Operation Temperature		$0^{\circ}$ C ~ $40^{\circ}$ C for full rated output. At higher temperatures the output current is derated linearly to 50% at 55°C maximum temperature		
Cooling		Isolation DC FAN		
Output Terminal Isolated (maximum, from chassis ground)			$\pm$ 30V output is $\pm$ 60 Vdc when connecting shorting conductors without insulation to the (+)output to the (+)sense and the (-)output and the (-)sense terminals	
andard		220V ± 10% 50~60Hz		
		110V ± 10% 50~60Hz		
		$115V \pm 10\%$ 50~60Hz		
		230V ± 10% 50~60Hz		
Precision		6 month		
Recommended				
Dimensions				
Maximum Input Power(full load)		849.9W		
t weight		15.7kg		
Gross weight				
	rer Swit age Ou ly but Sett other age Dro d Regu d Voltar d Regu d Voltar round) ndard on cision ommer weight	rer Switch ON/OFF age Output Setting ly but Setting surement Other age Drop d Regulation d Voltage round) ndard on cision ommended weight	0.1% + 10mVrer Switch ON/OFFNo overshoot, undershoot : $\leq -0.8$ age Output SettingNo overshoot, No undershootGPIB(IEE=-488.2) Option , RS2320SCPI(Standard Commands for ProglySettingQueryout SettingVoltage & Current Settingvoltage & Current Queryout SettingVoltage & Current QueryOtherSetting & Queryage DropUp to 1V per each leadd RegulationAdd 5 mV to spec for each 1-volt of changes.d VoltageSubtract voltage drop in load leads0°C ~ 40°C for full rated output. At linearly to 50% at 55°C maximum to the (+)sense and the (1+)output to 10% 50~60Hzon115V ± 10% 50~60Hzcision6 monthommended1 year300mm(W) * 150mm(H) * 465mm(fit849.9WNew weight	