

SPECIFICATIONS

Programmable DC Power Supply

MODEL: OPS-8050



Load Voltage Subtract voltage drop in load leads from specified output voltage rating.	Parameter			Specifications	
Output WATT	Voltage		·		
Pogramming Accuracy Modage Moda	out rating($(00\% \sim 40\%)$		0 to 50A		
	Output WATT			4000W	
Manages Man	ogramming Accuracy Voltage		0.05%+26.7mV		
Current	(@25℃ ±5℃)±(%of output + offset)			0.2%+50.0mA	
Votage V	Readback Accuracy	Voltage		0.05%+13.3mV	
Ripple and Noting 2004;12 2004;1	(@25℃ ±5℃)±(%of output + offset)	Current		0.2%+25.0mA	
Current S 12,5m/mms Current S 13,5m/mms Current S S S S S S Current S S S S S S Current S S S S S S S S S	Ripple and Naise (20Hz to 20MHz)	Voltage		≤ 4mVp-p	
Line Regulation Current SomA Current SomA	nipple and Noise(2002 to 2019102)	Current		≤ 12.5mArms	
Current SumA	Load Regulation	Voltage			
Current Current Current Current Company Comp	Load Hegulation	Current			
Current	Line Regulation				
Managementation	Zino nogulation				
Display Metric Tomorature Coefficient ±(%for butput + offset) Votage Current	Resolution				
After a 20 - minute warm - up					
Stability ± (% of output + offset)					
After a 1 hour warm-up	· · · · · · · · · · · · · · · · · · ·				
Less than 50,0s for output to recover to within 15mW following a change in output current full load to half load or vice versa					
Fram full load to half load or vice versa From full load to half load or vice versa From full load to half load or vice versa From full load to half load or vice versa From full load to half load or vice versa From full load to half load or vice versa From full load to half load or vice versa From full load to half load or vice versa From full load to half load or vice versa From full load to half load or vice versa From full load to half load or vice versa From full load to half load or vice versa From full load to half load or vice versa From full load to half load or vice versa From full load to half load or vice versa From full load to half load or vice versa From full load to half load or vice versa From full load to half load to half load to half load or vice versa From full load to half load to half load to half load or vice versa From full load to half l	Atter a 1 hour warm-up	Current			
No load Failing time	Transient Response Time				
Failing time \$ 50 /ms		No load	Rising time	≤ 7.5V/ms	
Half load Rising time \$3.25V/ss	Voltage Programming Spood	110 1000	Falling time	≤ 3V/ms	
Failing time SeV/ms Voltage Pop Up to IV per each lead Load Regulation Add 5 mV to spec for each 1-volt change in the + output lead due to load current char Subtract voltage drop in load leads from specified output voltage rating. OVP S5 + 0.5V OCP S5 + 0.5V OCP Activation Time < 80ms when maximum output rating Output Voltage Overshoot & Undershoot Voltage Output Satting Overshoot, undershoot Oct	Voltage 1 Togramming opera	Half load	Rising time	≤ 3.25V/ms	
Remote Sensing Capability Load Regulation Add 5 mV to spec for each 1-volt change in the + output lead due to load current change		Tidii lodd	Falling time	≤ 6V/ms	
Load Voltage	Remote Sensing Capability	Voltage Drop		· · ·	
OVP and OCP Accuracy ±(%of output + offset) OVP S% + 0.5V OUtput Voltage Overshoot & Undershoot Activation Time Activation Time Switch ON/OFF No overshoot, No undershoot : ≤ −0.8V Voltage Output Setting No overshoot, No undershoot No overshoot, No undershoot Remote Interface Frogramming Language SCPI(Standard Commands for Programmable Instruments) Command Processing Time(average) Apply Setting Query 32ms 20ms Query 32ms Command Processing Time(average) Voltage & Current Setting 15ms 15ms Command Processing Time(average) Voltage & Current Query 32ms 32ms Measurement Voltage & Current Query 32ms 32ms Voltage & Current Query 32ms 32ms State Storage Memory Ten Other Setting & Query < 35ms				Add 5 mV to spec for each 1-volt change in the + output lead due to load current changes	
OVP and OCP Accuracy ±(%of output + offset) OCP 5% + 0.5V Activation Time < 80ms when maximum output rating		Load Voltage			
Activation Time					
Output Voltage Overshoot & Undershoot Power Switch ON/OFF Voltage Output Setting No overshoot, undershoot : ≤ −0.8V Remote Interface GPIB(IEEE-488.2) Option , RS23C Standard Programming Language SCPI(Standard Commands for Programmable Instruments) Command Processing Time(average) Setting 20ms 20ms 20ms 20ms 20ms 20ms 20ms 20ms	OVP and OCP Accuracy \pm (%of output + offset)	-			
Output Voltage Overshoot & Undershoot Voltage Output Setting No overshoot. No undershoot Remote Interface GPIB(IEEE—488.2) Option , RS232C Standard RS20C Standard					
Remote Interface Programming Language Schiller Sc	Output Voltage Overshoot & Undershoot	Power Switch ON/OFF			
Programming Language SCPI(Standard Commands for Programmable Instruments) Command Processing Time(average) Apply Setting Query 32ms Command Processing Time(average) Output Setting Voltage & Current Setting 15ms 15ms Voltage & Current Query 32ms 32ms Measurement Voltage & Current Query 32ms 32ms The Other Setting & Query < 35ms		Voltage Output Setting			
Setting 20ms Query 32ms Output Setting Voltage & Current Setting 15ms Voltage & Current Query 32ms Measurement Voltage & Current Query 32ms Measurement Voltage & Current Query 32ms State Storage Memory Ten user-configurable(voltage.current, OVP & OCP level)stored states Cycling Mode Step(Voltage.Current, Slope & Delay time) Maximum 100 steps Slope & Delay time) Osec ~ 86,400sec (24 hours) Delay time 100ms ~ 86,400sec (24 hours) Delay time 100ms ~ 86,400sec (24 hours) Repeat Maximum 15million times Coperation Temperature 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) ±60 Vdc when connecting shorting conductors without insulation to the (+)output to (+)sense and the (-)output and the (-)sense terminals AC Input Ratings Standard 220v ± 10% 50~60Hz 230v ± 10% 50~60Hz 230v ± 10% 50~60Hz 230v ± 10% 50~60Hz					
Command Processing Time (average) Apply Output Setting Output Setting Voltage & Current Setting Voltage & Current Query 32ms Voltage & Current Query 32ms Voltage & Current Query 32ms Measurement Voltage & Current Query 32ms The Other Setting & Query <35ms Voltage & Current Query 32ms Voltage & Current Q	Programming Language				
Command Processing Time(average) Output Setting Output Setting Output Setting Output Setting Voltage & Current Query 32ms 32ms 32ms 32ms Setting & Query 32ms Setting & Query 32ms Setting & Query 35ms The Other Setting & Query 35ms Ten user-configurable(voltage,current,OVP & OCP level)stored states State Storage Memory Stope & Delay time) Slope & Delay time) Delay time Delay time 100ms ~ 86,400sec (24 hours) Repeat Maximum 15million times Operation Temperature Cooling Output Terminal Isolated (maximum, from chassis ground) AC Input Ratings Standard 220V ± 10% 50~60Hz 110V ± 10% 50~60Hz 230V ± 10% 50~60Hz 230V ± 10% 50~60Hz 230V ± 10% 50~60Hz 230V ± 10% 50~60Hz 32ms 42ms 32ms 3	Command Processing Time(average)				
Command Processing Time(average) Measurement Voltage & Current Query 32ms				-	
Measurement Voltage & Current Query 32ms The Other Setting & Query < 35ms State Storage Memory Ten user—configurable(voltage,current, OVP & OCP level)stored states					
The Other Setting & Query < 35ms State Storage Memory Ten user-configurable(voltage, current, OVP & OCP level)stored states Step(Voltage, Current, Slope & Delay time) Slope time		M			
State Storage Memory Ten user-configurable(voltage, current, OVP & OCP level)stored states Step(Voltage, Current, Slope & Delay time) Slope time Delay time Delay time 100ms ~ 86,400sec (24 hours) Repeat Maximum 15million times Operation Temperature Cooling Output Terminal Isolated (maximum, from chassis ground) AC Input Ratings Standard Option Standard Option Ten user-configurable(voltage, current, OVP & OCP level)stored states Maximum 100 steps Maximum 100 steps 0c ~ 40°C for full rated output. At higher temperatures the output current is derated linearly to 50% at 55°C maximum temperature Isolation AC FAN ±60 Vdc when connecting shorting conductors without insulation to the (+)output to (+)sense and the (-)output and the (-)sense terminals 220/ ± 10% 50~60Hz 110V ± 10% 50~60Hz 115V ± 10% 50~60Hz 230V ± 10% 50~60Hz 230V ± 10% 50~60Hz Calibration Interval Precision Recommended 1 year			ent		
Step(Voltage, Current, Slope & Delay time) Slope time Delay time Delay time Repeat Or ~ 40°C for full rated output. At higher temperatures the output current is derated linearly to 50% at 55°C maximum temperature Cooling Output Terminal Isolated (maximum, from chasts ground) AC Input Ratings Standard Option Standard Option Step(Voltage, Current, Slope & Delay time) Description Osec ~ 86,400sec (24 hours) Maximum 100 steps Maximum 100	Otata Otamana Managama	The Other			·
Slope & Delay time) Slope time Delay time Delay time Delay time Naximum 100 steps Slope time Osec ~ 86,400sec (24 hours) Naximum 15milion times Operation Temperature O'C ~ 40°C for full rated output. At higher temperatures the output current is derated linearly to 50% at 55°C maximum temperature Cooling Isolation AC FAN Output Terminal Isolated (maximum, from chassis ground) AC Input Ratings Standard 220V ± 10% 50~60Hz 115V ± 10% 50~60Hz 230V ± 10% 50~60Hz			ren user-comigurable(voltage,current,OVF & OCF level)stored states		
Delay time 100ms ~ 86,400sec(24 hours)	Cycling Mode	Slope & Delay time)		· ·	
Repeat Maximum 15million times Operation Temperature					
Operation Temperature O°C ~ 40°C for full rated output. At higher temperatures the output current is derated linearly to 50% at 55°C maximum temperature Solution AC FAN Output Terminal Isolated (maximum, from chassis ground) AC Input Ratings Option Standard Option Option Option Option Option Option O°C ~ 40°C for full rated output. At higher temperatures the output current is derated linearly to 50% at 55°C maximum temperature ±60 Vdc when connecting shorting conductors without insulation to the (+)output to (+)sense and the (-)output and the (-)sense terminals 220V ± 10% 50~60Hz 110V ± 10% 50~60Hz 115V ± 10% 50~60Hz 230V ± 10% 50~60Hz Callibration Interval Precision Recommended 1 year				, , , , , , , , , , , , , , , , , , , ,	
Inearly to 50% at 55°C maximum temperature		Hepeat			
Output Terminal Isolated (maximum, from chassis ground) Each of the process of the position o	Operation Temperature				
Calibration Interval Country C	Cooling			Isolation AC FAN	
AC Input Ratings Option 110V ± 10% 50~60Hz 115V ± 10% 50~60Hz 230V ± 10% 50~60Hz Calibration Interval Precision Recommended 1 year	Output Terminal Isolated (maximum, from chassis ground)			± 60 Vdc when connecting shorting conductors without insulation to the (+)output to the (+)sense and the (-)output and the (-)sense terminals	
AC Input Ratings Option 115V ± 10% 50~60Hz 230V ± 10% 50~60Hz Calibration Interval Precision 6 month Recommended 1 year	AC Input Ratings	Standard		220V ± 10% 50~60Hz	
Option 115V ± 10% 50~60Hz 230V ± 10% 50~60Hz Calibration Interval Precision 6 month Recommended 1 year				110V ± 10% 50~60Hz	
Calibration Interval Precision 6 month Recommended 1 year	AC INPUT HATINGS			115V ± 10% 50~60Hz	
Calibration Interval Precision 6 month Recommended 1 year					
Recommended 1 year		Precision		6 month	
	Calibration Interval	Recommended		1 year	
	Dimensions (19-inch * 14U Standard Rack Case)			600mm(W) * 800mm(H) * 750mm(D)	
Maximum Input Power(full load) 10305.6W	Maximum Input Power(full load)				
Net weight 100kg		Net weight		100kg	
Weight Gross weight 102kg	ıvveıgnt I	Gross weight		102kg	