

SPECIFICATIONS

Programmable DC Power Supply

MODEL: OPM-30015D



Translet in response time No load Rising time Falling time Falling time S 3.75 //ms Rising time S 3.25 //ms Rising time Ri	Parameter			Specifications		
Charmon Cha	Channel 1		·			
Cognition Continue Company Cognition Company Cognition Company Cognition Company Cognition	Dutput rating(@0°C \sim 40°C)		0 to 300V / 0 to 15A			
6095t + 501 + 150 400 4	Output WATT		9000W			
Notinge Content Con	Programming Accuracy	Voltage		0.05%+100.0mV		
	(@25℃ ±5℃)±(%of output + offset)			0.2%+15.0mA		
Noting	Readback Accuracy			0.05%+50.0mV		
Current	(@25℃ ±5℃)±(%of output + offset)					
Load Regulation	Ripple and Noise(20Hz to 20MHz)	<u> </u>				
Load Regulation		 				
Voltage	Load Regulation					
Line Repolation						
Programming/Reachback Display Meter 10mV / 1mA 10mV / 10mV / 1mA 10mV /	Line Regulation					
Design D						
After a 30-minute warm-up	Resolution			· · · · · · · · · · · · · · · · · · ·		
After a 20	Tomporature Coefficient ± (%) of output ± offect					
Stability ± (%of output + offset) Voltage Current Voltage						
After a 1 hour warm-up	· ·					
Less than 50 /s for output to recover to within 15 mV following a change in output curre from full load to half load or vice versa						
Final Heat Heap Design Final Heat Heap Design Final Heat Heat Heat Heat Heat Heat Heat Heat	Alter a i nour warm-up	Current				
No load Rising time \$7.50/ms \$6 \$3.250/ms \$6				Less than 50//s for output to recover to within 15mV following a change in output current		
No lade Falling time \$ 30 /ms Falling time \$ 3.25 /ms \$ 3						
Palifold		No load				
Half load Falling time SeV/ms S% + 0.5V				· · · · · · · · · · · · · · · · · · ·		
OVP S% + 0.5V		Half load	Rising time			
OVP and OCP Accuracy ± (%of output + offset) OCP 5% + 0.5A Activation Time < 80ms when maximum output rating			Falling time			
Activation Time		OVP				
Tracking Accuracy	OVP and OCP Accuracy \pm (%of output + offset)	OCP				
Output Voltage Overshoot & Undershoot Power Switch ON/OFF Voltage Output Setting Voltage Output Setting No overshoot, No undershoot Remote Interface		Activation Time		< 80ms when maximum output rating		
Output Voltage Overshoot & Undershoot Voltage Output Setting No overshoot. No undershoot Remote Interface GPIB(IEEE-488.2) Option , R8232S Standard Programming Language SCP(Istandard Commands for Programmable Instruments) Command Processing Time(average) Apply Setting	Tracking Accuracy			0.1% + 10mV		
No overshoot, No undershoot Remote Interface SPIBIGEE + 48.2.) Option , RS232C Standard	Output Valtage Overshoot & Undershoot	Power Switch ON/OFF		No overshoot, undershoot : ≤ -0.8V		
Programming Language Apply Apply Setting 28ms Query 32ms Voltage & Current Setting 28ms Voltage & Current Query 32ms Voltage & Current Query 74ms 8uffer mode: 32ms The Other 8etting 8 Query 435ms State Storage Memory Ten user-configurable(voltage,current,OVP & OCP level)stored states Voltage Prop 10p to 1V per each lead Add 5 mV to spec for each 1-volt change in the + output lead due to load current changes. Operation Temperature Operation Temperature Operation Temperature Standard Output Terminal Isolated (maximum, from chassis ground) AC Input Ratings Standard Option Standard Precision Recommended I year Option Precision Ret weight Net weight Net weight Net weight Poutput Dead Current Query 9 Present mode: 47ms 8uffer mode: 32ms Starte Current Query 7 Sams Starte Stronge Were 47ms 8uffer mode: 32ms Starte Stronge Were 47ms Starte Stronge Were 47ms 8uffer mode: 32ms Starte Stronge Were 47ms Starte Strong	Output voltage Overshoot & Ondershoot	Voltage Output Setting		No overshoot, No undershoot		
Apply Ada S current Query Apply Ap	Remote Interface			GPIB(IEEE-488.2) Option , RS232C Standard		
Apply Query 32ms Command Processing Time(average) Output Setting Voltage & Current Setting 28ms Voltage & Current Query 32ms Voltage & Current Query Present mode : 47ms Buffer mode : 32ms State Storage Memory The Other Setting & Query < 35ms	Programming Language			SCPI(Standard Commands for Programmable Instruments)		
Command Processing Time(average) Output Setting Output Setting Output Setting Voltage & Current Setting Voltage & Current Query 32ms Voltage & Current Query 32ms Voltage & Current Query Present mode : 47ms Buffer mode : 32ms The Other Setting & Query < 35ms State Storage Memory Ten user-configurable(voltage,current,OVP & OCP level)stored states Voltage Drop Up to 1V per each lead Add 5 mV to spec for each 1-volt change in the + output lead due to load current changes. Load Voltage Subtract voltage drop in load leads from specified output voltage atting. Operation Temperature Cooling Output Terminal Isolated (maximum, from chassis ground) Standard 200 + 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 +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 AC Input Ratings Option Standard 220V ± 10% 50~60Hz 230V ± 10% 50~60Hz 23177.7W Weight Weight Net weight Net weight 130kg	Command Processing Time(average)	Apply		Setting	28ms	
Command Processing Time (average) Measurement Voltage & Current Query Present mode : 47ms Buffer mode : 32ms		Арріу		Query	32ms	
Voltage & Current Query 32ms Measurement Voltage & Current Query Present mode : 47ms Buffer mode : 32ms The Other Setting & Query < 35ms		Output Setting		Voltage & Current Setting	28ms	
The Other Setting & Query < 35ms State Storage Memory Ten user-configurable(voltage, current, OVP & OCP level)stored states Voltage Drop Up to 1V per each lead Add 5 mV to spec for each 1-volt change in the + output lead due to load current changes. Load Voltage Subtract voltage drop in load leads from specified output voltage atting. Operation Temperature Subtract voltage drop in load leads from specified output voltage atting. Operation Temperature Isolated (maximum, from chassis ground) Subtract voltage drop in load leads from specified output voltage atting. Output Terminal Isolated (maximum, from chassis ground) Subtract voltage drop in load leads from specified output voltage atting. State 3 to 50° maximum temperature the output current is derated linearly to 50% at 55° maximum temperature. Solution AC FAN Standard Subtract voltage drop in load leads from specified output voltage atting. Stown at 55° maximum temperature temperature the output current is derated linearly to 50% at 55° maximum temperature. Solution AC FAN Standard Subtract voltage drop in load leads from specified output voltage atting. Stown at 55° maximum temperature. Solution AC FAN Stown at 55° maximum temperature. Stown at 55° ma				Voltage & Current Query	32ms	
State Storage Memory Remote Sensing Capability Voltage Drop Load Regulation Load Voltage Subtract voltage drop in load leads from specified output voltage atting. Operation Temperature Cooling Output Terminal Isolated (maximum, from chassis ground) AC Input Ratings Valuad Voltage Standard Option Precision Recommended Dimensions (19-inch * 22U Standard Rack Case) Met weight Net weight Net weight Net weight Voltage Drop Up to 1V per each lead Add 5 mV to spec for each 1-volt change in the + output lead due to load current changes. Subtract voltage drop in load leads from specified output voltage atting. O° ~ 40° for full rated output. At higher temperatures the output current is derated linearly to 50% at 55°C maximum temperature Subtract voltage drop in load leads from specified output voltage atting. O° ~ 40° for full rated output. At higher temperatures the output current is derated linearly to 50% at 55°C maximum temperature Subtract voltage drop in load leads from specified output voltage atting. O° ~ 40° for full rated output. At higher temperatures the output current is derated linearly to 50% at 55°C maximum temperature Subtract voltage drop in load leads from specified output voltage atting. Subtract voltage drop in load leads from specified output voltage atting. O° ~ 40° for full rated output. At higher temperatures the output current is derated linearly to 50% at 55°C maximum temperature 130V output is ±60 Vdc when connecting shorting conductors without insulation to the (+)output to the (+)sense and the (-)output and the (-)sense terminals 110V ± 10% 50~60Hz 1		Measurement		Voltage & Current Query	Present mode: 47ms Buffer mode: 32ms	
Remote Sensing Capability Load Regulation Load Voltage Operation Temperature Cooling Output Terminal Isolated (maximum, from chassis ground) AC Input Ratings Option Precision Calibration Interval Precision Recommended Dimensions (19-inch * 22U Standard Rack Case) Voltage Drop Load Voltage Voltage Prop Load Regulation Load Regulation Add 5 mV to spec for each 1-volt change in the + output lead due to load current changes. Subtract voltage drop in load leads from specified output voltage atiling. O°C ~ 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 430V output is ±60 Vdc when connecting shorting conductors without insulation to the (+)output to the (+)sense and the (-)output and the (-)sense terminals Standard 220V ± 10% 50~60Hz 115V ± 10% 50~60Hz 230V ± 10% 50~60Hz 2		The Other		Setting & Query	< 35ms	
Remote Sensing Capability Load Regulation Load Voltage Subtract voltage drop in load leads from specified output voltage atting. Operation Temperature Cooling Output Terminal Isolated (maximum, from chassis ground) Standard Coutput Ratings Standard Colibration Interval Precision Recommended Precision Recommended Dimensions (19-inch * 22U Standard Rack Case) Met weight Net weight Add 5 mV to spec for each 1-volt change in the + output lead due to load current changes. Add 5 mV to spec for each 1-volt change in the + output lead due to load current changes. Add 5 mV to spec for each 1-volt change in the + output lead due to load current changes. Subtract voltage drop in load leads from specified output voltage atting. O'C ~ 40°C for full rated output. At higher temperatures the output current is derated linearly to 50% at 55°C maximum temperature Subtract voltage drop in load leads from specified output voltage atting. Subtract voltage drop in load leads from specified output voltage atting. O'C ~ 40°C for full rated output. At higher temperatures the output current is derated linearly to 50% at 55°C maximum temperature Subtract voltage drop in load leads from specified output voltage atting. Subtract voltage drop in load leads from specified output voltage atting. O'C ~ 40°C for full rated output. At higher temperature the output current is derated linearly to 50% at 55°C maximum temperature Subtract voltage drop in load leads from specified output voltage atting. O'C ~ 40°C for full rated output. At higher temperature the output current is derated linearly to 50% at 55°C maximum temperature Subtract voltage drop in load leads from specified output value from the subtract output. At higher temperature for full leads from specified output value from the subtract output. At the output value from the subtract output value from the feather from the value f	State Storage Memory		Ten user-configurable(voltage,curr	Ten user-configurable(voltage,current,OVP & OCP level)stored states		
Coad Regulation Changes.		Voltage Drop		Up to 1V per each lead		
Coad Regulation Changes.						
Load Voltage Subtract voltage drop in load leads from specified output voltage ating.	Remote Sensing Capability	Load Regulation				
Operation Temperature Cooling Isolation AC FAN Output Terminal Isolated (maximum, from chassis ground) Standard AC Input Ratings Calibration Interval Calibration Interval Dimensions (19-inch * 22U Standard Rack Case) Met weight O'C ~ 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 ±30V output is ±60 Vdc when connecting shorting conductors without insulation to the (+)output to the (+)sense and the (-)output and the (-)sense terminals 220V ± 10% 50~60Hz 110V ± 10% 50~60Hz 115V ± 10% 50~60Hz 230V ± 10% 50~60Hz 6 month 8 commended 1 year Dimensions (19-inch * 22U Standard Rack Case) Met weight Net weight Net weight 130kg		Load Voltage		Subtract voltage drop in load leads from specified output voltage atiing.		
Inearly to 50% at 55°C maximum temperature		1 2 3 5-				
Cooling Output Terminal Isolated (maximum, from chasts ground) AC Input Ratings Standard Option Option Precision Recommended Dimensions (19-inch * 22U Standard Rack Cast) Met weight Net weight Isolation AC FAN ### Solution AC FAN ### 230V output is ±60 Vdc when connecting shorting conductors without insulation to the (+)output to the (+)sense and the (-)output and the (-)sense terminals #### 230V output is ±60 Vdc when connecting shorting conductors without insulation to the (+)output to the (+)sense and the (-)output and the (-)sense terminals #### 230V output is ±60 Vdc when connecting shorting conductors without insulation to the (+)output to the (+)sense and the (-)output and the (-)sense terminals #### 110V ± 10% 50~60Hz 115V ± 10% 50~60Hz 230V ± 10%	Operation Temperature					
Output Terminal Isolated (maximum, from chassis ground) $ \frac{\pm 30V \text{ output is } \pm 60 \text{ Vdc when connecting shorting conductors without insulation to the (+) output to the (+) sense and the (-) output and the (-) sense terminals} $ AC Input Ratings $ \frac{5 \text{tandard}}{220V \pm 10\%} = \frac{50 \sim 60 \text{Hz}}{50 \sim 60 \text{Hz}} $ $ \frac{110V \pm 10\%}{230V \pm 10\%} = \frac{50 \sim 60 \text{Hz}}{50 \sim 60 \text{Hz}} $ Calibration Interval $ \frac{6 \text{ month}}{6 \text{ month}} $ Recommended $ \frac{1}{2000 \text{ month}} = \frac{1}{200$	Cooling					
Output Terminal Isolated (maximum, from chassis ground) (+)output to the (+)sense and the (-)output and the (-)sense terminals Calibration Interval Precision Facommended 1 year						
AC Input Ratings Option 110V ± 10% 50~60Hz 115V ± 10% 50~60Hz 230V ± 10% 50~60Hz Calibration Interval Precision 6 month Recommended 1 year Dimensions (19-inch * 22U Standard Rack Case) 600mm(W) * 1200mm(H) * 750mm(D) Maximum Input Power(full load) 23177.7W Weight Net weight 130kg				(+)output to the (+)sense and the (-)output and the (-)sense terminals		
AC Input Ratings Option 115V ± 10% 50~60Hz 230V ± 10% 50~60Hz 230V ± 10% 50~60Hz Calibration Interval Precision 6 month Recommended 1 year Dimensions (19-inch * 22U Standard Rack Case) 600mm(W) * 1200mm(H) * 750mm(D) Maximum Input Power(full load) 23177.7W Weight Net weight 130kg		Standard				
Option 115V ± 10% 50~60Hz 230V ± 10% 50~60Hz Calibration Interval Precision 6 month Recommended 1 year Dimensions (19-inch * 22U Standard Rack Case) 600mm(W) * 1200mm(H) * 750mm(D) Maximum Input Power(full load) 23177.7W Weight 130kg	AC Input Ratings	Option				
Calibration Interval Precision 6 month Recommended 1 year Dimensions (19-inch * 22U Standard Rack Case) 600mm(W) * 1200mm(H) * 750mm(D) Maximum Input Power(full load) 23177.7W Weight Net weight 130kg						
Calibration Interval Recommended 1 year Dimensions (19-inch * 22U Standard Rack Case) 600mm(W) * 1200mm(H) * 750mm(D) Maximum Input Power(full load) 23177.7W Weight 130kg				230V ± 10% 50~60Hz		
Recommended 1 year	Calibration Interval	Precision		6 month		
Maximum Input Power(full load) 23177.7W Weight 130kg	Cambration interval	Recommended		1 year		
Weight 130kg	Dimensions (19-inch * 22U Standard Rack Case)			600mm(W) * 1200mm(H) * 750mm(D)		
Weight	Maximum Input Power(full load)			23177.7W		
weight i	Walaht	Net weight	İ	130kg		
Gross weight 131.5kg	vveignt	Gross weig	ght	131.5kg		