OWH67D Series Programmable DC Power Supply Technical Specifications

The instrument must be operated continuously for more than 30 minutes at the specified operating temperature to achieve the following specifications.

Model		OWH67010D-80		OWH67060D-600		OWH67060D-300		OWH67060D-150	
Rated Output (0℃-40℃)	Channel	CH1	CH2	CH1	CH2	CH1	CH2	CH1	CH2
	Output voltage range	0 -80V	0 -80V	0-600V	0-600V	0 -300V	0 -300V	0 -150V	0 -150V
	OVP	0V-85V	0V-85V	1V-605V	1V-605V	1V-305V	1V-305V	1V-155V	1V-155V
	Output current range	0-20A	0-20A	0-10A	0-10A	0-15A	0-15A	0-30A	0-30A
	OCP	0A-21A	0A-21A	1A-11A	1A-11A	1A-20A	1A-20A	1A-35A	1A-35A
	Max. Power	500W	500W	3000W	3000W	3000W	3000W	3000W	3000W
Input Voltage[1]	Volt./Freq.	100V-240Vac; 45Hz-65Hz		100V-240Vac; 45Hz-65Hz		100V-240Vac; 45Hz-65Hz		100V-240Vac; 45Hz-65Hz	
Load regulation (%of output+offset)	CV	≤0.03% + 0.03%FS							
	CC	≤0.03% + 0.05%FS							
Input power regulation (%of output+offset)	CV	≤0.03% + 0.03%FS							
	CC	≤0.03% + 0.05%FS							
Setting resolution	Voltage	10mV		10mV		10mV		10mV	
	Current	1mA		1mA		1mA		1mA	
Readback resolution	Voltage	10mV		10mV		10mV		10mV	
	Current	1mA		1mA		1mA		1mA	
Setting accuracy	Voltage	≤0.05% + 0.05%FS							
	Current	≤0.05% + 0.1%FS							
Readback	Voltage	≤0.05% + 0.05%FS							

accuracy	Current	≤0.05% + 0.1%FS			
Ripple noise[2]	Voltage	≤50mVp-p	≤500mVp-p	≤250mVp-p	≤150mVp-p
	Current	≤20mArms	≤50mArms	≤50mArms	≤50mArms
Output temp drift coefficient (0℃-40℃)	Voltage	100ppm/℃	100ppm/℃	100ppm/℃	100ppm/℃
	Current	200ppm/℃	200ppm/℃	200ppm/℃	200ppm/℃
Readback temp drift	Voltage	100ppm/℃	100ppm/℃	100ppm/℃	100ppm/℃
	Current	200ppm/℃	200ppm/℃	200ppm/℃	200ppm/℃
Transient response (10%-90% rated load)		≤5.0ms			
Working temperature		0-40℃			
Display		3.95 inch TFT LCD screen			
Interface		USB/LAN/RS485			
Dimension (W x H x D)		215.0mm x 88.0mm x 453.0mm	430.0mm x 88.0mm x 453.0mm	430.0mm x 88.0mm x 453.0mm	430.0mm x 88.0mm x 453.0mm
Weight		Approx. 5kg	Approx. 13kg	Approx. 13kg	Approx. 13kg

[1] : Input voltage <200Vac, please refer to Pout vs Vin curve in User Manual.

[2] Noise bandwidth: 20 MHz. Test with a 10 μF electrolytic capacitor connected in parallel with a 0.1 μF ceramic capacitor at the output.

Interval Period of Adjustment:

One year is recommended for the calibration interval period.

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V1.0.1