OWH67 Series Programming 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:

OWH67012 Series

Model		OWH67012-80	OWH67012-150	OWH67012-300
Rated Output (0℃-40℃)	Voltage	0 -80V	0-150V	0-300V
	OVP	1-85V	1-155V	1-305V
	Current	0-30A	0-20A	0-10A
	OCP	1-35A	1-25A	1-15A
	Power	1200W		
	OPP	10W - 1300W		
Power supply	Volt/ freq.	85V-265Vac; 50Hz-60Hz,10A Max		
Load Regulation (%of output+off set)	CV	≤0.03%+0.03%FS		
	CC	≤0.03%+0.05%FS		
Line Regulation (%of output+off set)	CV	≤0.03%+0.03%FS		
	CC	≤0.03%+0.05%FS		
Setting Resolution	Voltage	10mV		
	Current	1mA		
Readback Resolution	Voltage	1mV		
	Current	1mA		
Setting Accuracy	Voltage	≤0.05%+0.05%FS		
	Current	≤0.05%+0.1%FS		
Readback Accuracy	Voltage	≤0.05%+0.05%FS		
	Current	≤0.05%+0.1%FS		
Ripple/ Noise(*)	Voltage	≤100mVp-p	≤100mVp-p	≤250mVp-p
	Current	≤50mArms	≤50mArms	≤50mArms
Output temperature coefficient (0℃-40℃)	Voltage	100ppm/℃		
	Current	200ppm/℃		
Readback temperature coefficient	Voltage	100ppm/℃		
	Current	200ppm/℃		

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

OWH67018 Series

Model		OWH67018-150
Rated Output (0℃-40℃)	Voltage	0-150V
	OVP	1-155V
	Current	0-30A
	OCP	1-35A
	Power	1800W
	OPP	10W - 1900W
Power supply	Volt/ freq.	85V-265Vac; 50Hz-60Hz,10A Max
Load Regulation (%of output+off set)	CV	≤0.03%+0.03%FS
	CC	≤0.03%+0.05%FS
Line Regulation (%of output+off set)	CV	≤0.03%+0.03%FS
	CC	≤0.03%+0.05%FS
Setting Resolution	Voltage	10mV
	Current	1mA
Readback Resolution	Voltage	1mV
	Current	1mA
Setting Accuracy	Voltage	≤0.05%+0.05%FS
	Current	≤0.05%+0.1%FS
Readback Accuracy	Voltage	≤0.05%+0.05%FS
	Current	≤0.05%+0.1%FS
Ripple/ Noise(*)	Voltage	≤100mVp-p
	Current	≤50mArms
Output temperature coefficient (0℃-40℃)	Voltage	100ppm/℃
	Current	200ppm/℃
Readback temperature coefficient	Voltage	100ppm/℃
	Current	200ppm/℃

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

OWH67020 Series

Model		OWH67020-150	OWH67020-300	OWH67020-600
Rated	Voltage	0-150V	0-300V	0-600V

Output (0℃-40℃)	**OVP**	1-155V	1-305V	1-605V
	Current	0-20A	0-10A	0-10A
	OCP	1-25A	1-15A	1-11A
	Power	2000W		
	OPP	10W-2100W		
Power supply	**Volt/ freq.**	85V-265Vac; 50Hz-60Hz,10A Max		
Load Regulation (%of output+off set)	**CV**	≤0.03%+0.03%FS		
	CC	≤0.03%+0.05%FS		
Line Regulation (%of output+off set)	**CV**	≤0.03%+0.03%FS		
	CC	≤0.03%+0.05%FS		
Setting Resolution	**Voltage**	10mV		
	Current	1mA		
Readback Resolution	**Voltage**	1mV		
	Current	1mA		
Setting Accuracy	**Voltage**	≤0.05%+0.05%FS		
	Current	≤0.05%+0.1%FS		
Readback Accuracy	**Voltage**	≤0.05%+0.05%FS		
	Current	≤0.05%+0.1%FS		
Ripple/ Noise(*)	**Voltage**	≤100mVp-p	≤250mVp-p	≤500mVp-p
	Current	≤30mArms	≤50mArms	≤50mArms
Output temperature coefficient (0℃-40℃)	**Voltage**	100ppm/℃		
	Current	200ppm/℃		
Readback temperature coefficient	**Voltage**	100ppm/℃		
	Current	200ppm/℃		

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

OWH67030 Series

Model		**OWH67030-150**	**OWH67030-150A**	**OWH67030-300**	**OWH67030-600**
Rated Output (0℃-40℃)	**Voltage**	0-150V	0-150V	0-300V	0-600V
	OVP	1-155V	1-155V	1-305V	1-605V
	Current	0-30A	0-40A	0-15A	0-10A
	OCP	1-35A	1-45A	1-20A	1-11A
	Power	3000W			
	OPP	10W - 3100W			
Power supply	**Volt/ freq.**	85V-265Vac; 50Hz-60Hz,16A Max			

Load Regulation (%of output+off set)	CV	≤0.03%+0.03%FS			
	CC	≤0.03%+0.05%FS			
Line Regulation (%of output+off set)	CV	≤0.03%+0.03%FS			
	CC	≤0.03%+0.05%FS			
Setting Resolution	Voltage	10mV			
	Current	1mA			
Readback Resolution	Voltage	1mV			
	Current	1mA			
Setting Accuracy	Voltage	≤0.05%+0.05%FS			
	Current	≤0.05%+0.1%FS			
Readback Accuracy	Voltage	≤0.05%+0.05%FS			
	Current	≤0.05%+0.1%FS			
Ripple/ Noise(*)	Voltage	≤100mVp-p	≤150mVp-p	≤250mVp-p	≤500mVp-p
	Current	≤50mArms	≤50mArms	≤50mArms	≤50mArms
Output temperature coefficient (0℃-40℃)	Voltage	100ppm/℃			
	Current	200ppm/℃			
Readback temperature coefficient	Voltage	100ppm/℃			
	Current	200ppm/℃			

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

OWH67060 Series

Model		OWH67060-300	OWH67060-600	OWH67060-1200
Rated Output (0℃-40℃)	Voltage	0-300V	0-600V	0-1200V
	OVP	1-305V	0-605V	0-1250V
	Current	0-30A	0-20A	0-10A
	OCP	1-35A	0-25A	0-11A
	Power	6000W		
	OPP	10W - 6500W		
Power supply	Volt/ freq.	100V-240Vac; 50Hz-60Hz,32A Max		
Load Regulation (%of output+off set)	CV	≤0.03%+0.03%FS		
	CC	≤0.03%+0.05%FS		
Line Regulation (%of output+off set)	CV	≤0.03%+0.03%FS		
	CC	≤0.03%+0.05%FS		

Setting Resolution	**Voltage**	10mV		
	Current	1mA		
Readback Resolution	**Voltage**	1mV		
	Current	1mA		
Setting Accuracy	**Voltage**	≤0.05%+0.05%FS		
	Current	≤0.05%+0.1%FS		
Readback Accuracy	**Voltage**	≤0.05%+0.05%FS		
	Current	≤0.05%+0.1%FS		
Ripple/ Noise(*)	**Voltage**	≤500mVp-p	≤500mVp-p	≤2Vp-p
	Current	≤50mArms	≤50mArms	≤50mArms
Output temperature coefficient (0℃-40℃)	**Voltage**	100ppm/℃		
	Current	200ppm/℃		
Readback temperature coefficient	**Voltage**	100ppm/℃		
	Current	200ppm/℃		

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

General Specifications

Characteristics	Description	
Recovery Time (10%-90% rated load)	5ms	
Working Temperature	0-40℃	
Display	3.9 inch color LCD display	
Interface	USB, RS485, LAN(Optional)	
Size	OWH67012 Series OWH67018 Series OWH67020 Series OWH67030 Series	214.6mm (W)X 88.0mm (H) X453.0mm(D)
	OWH67060 Series	430.0mm(W) X 88.0mm (H) X453.0mm(D)
Weight	OWH67012 Series	Approx. 6.4kg
	OWH67018 Series OWH67020 Series OWH67030 Series	Approx. 6.8kg
	OWH67060 Series	Approx. 13kg

Interval Period of Adjustment:

One year is recommended for the calibration interval period.

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