

OWH65 Series Single-Channel High-Power Programmable DC Power Supply Technical Specifications

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

OWH6546 (A) Parameters

Model		OWH6546	OWH6546A
Rated output (0°C -40°C)	Output voltage range	0 -1200V	0-1200V
	OVP OVP	1V-1250V	1V-1250V
	Output current range	0-30A	0-20A
	OCP	1A-35A	1A-25A
	Max. power	18kW	12kW
Input voltage	Volt/freq.	3P4W, 380Vac+/-10%; 45Hz-65Hz (L1/L2/L3-N)	
Load regulation ratio	CV	≤300mV	≤300mV
	CC	≤15mA	≤45mA
Power regulation rate	CV	≤300mV	≤300mV
	CC	≤15mA	≤45mA
Setting Resolution	Voltage	10mV	10mV
	Current	1mA	1mA
Readback resolution	Voltage	10mV	10mV
	Current	1mA	1mA
Setting Accuracy	Voltage	≤0.05% ± 500mV	≤0.05% ± 500mV
	Current	≤0.1% ± 30mA	≤0.1% ± 90mA
Readback accuracy	Voltage	≤0.05% ± 500mV	≤0.05% ± 500mV
	Current	≤0.1% ± 30mA	≤0.1% ± 90mA
Ripple Noise (*)	Voltage	≤2Vp-p	≤2Vp-p
	Current	≤150mArms	≤300mArms

Output temperature drift coefficient (0°C-40°C)	Voltage	100ppm/°C	100ppm/°C
	Current	200ppm/°C	200ppm/°C
Read back temperature drift coefficient	Voltage	100ppm/°C	100ppm/°C
	Current	200ppm/°C	200ppm/°C
Dynamic response (10%-90% rated load)		≤5.0ms	≤5.0ms
Operating temperature range		0-40°C	0-40°C
Display		3.9 "color LCD screen	3.9 "color LCD screen
Communication interface		USB, LAN, RS485	USB, LAN, RS485
Dimensions (mm)		428W * 274.4H * 511.5D	428W * 274.4H * 511.5D
Weight		Approx. 30kg	Approx. 30kg

*: Tested with a 10μF electrolytic capacitor in parallel with a 0.1μF ceramic capacitor at the output, under a noise bandwidth of 20MHz and a ripple bandwidth of 1MHz.

OWH6522 Parameters

Model		OWH6522
Rated output (0 °C -40 °C)	Voltage	0 - 60V
	OVP	1 - 65V
	Current	0 - 120A
	OCP	1 - 121A
	Power	3000W
Power supply voltage	Volt./Freq.	198V-240Vac; 45Hz-65Hz
Load regulation ratio *	CV	≤30mV
	CC	≤60mA
Power regulation rate	CV	≤30mV
	CC	≤60mA
Set Resolution	Voltage	10mV
	Current	1mA
Readback	Voltage	10mV

resolution	Current	1mA
Setting accuracy	Voltage	$\leq 0.05\% \pm 30\text{mV}$
	Current	$\leq 0.1\% \pm 120\text{mA}$
Readback resolution	Voltage	$\leq 0.05\% \pm 30\text{mV}$
Readback accuracy	Voltage	$\leq 0.1\% \pm 120\text{mA}$
Ripple/noise	Voltage	$\leq 80\text{mVp-p}$
	Current	$\leq 120\text{mArms}$
Output temperature coefficient (0°C-40°C)	Voltage	100ppm/°C
	Current	200ppm/°C
Read back temperature coefficient	Voltage	100ppm/°C
	Current	200ppm/°C
Transient recovery time (10%-90% rated load)		$\leq 5.0\text{ms}$
Operating temperature		0-40°C
Display		4.3 inch color LCD display
Interface		USB, LAN, RS485
Dimensions (mm)		428 (W) X 88.0 (H) X 446.2 (D)
Weight		Approx. 13kg

*: The detection point of this indicator is the voltage compensation terminal.

Adjustment interval: The recommended calibration interval is one year.



V1.0.0