



OWH6522

Single-Channel High-Power Programmable DC Power Supply

Key Features

- 2U form factor, perfectly fits standard 19-inch racks.
- 3000W wide-range output (60V/120A) with up to 0.05% accuracy.
- 10mV/1mA setting and readback resolution.
- Selectable CV/CC priority mode for diverse load characteristics.
- Supports up to 100-step LIST sequence programming and PC control.
- Built-in P-V curve simulation to accurately simulate solar panel I-V characteristics.
- Supports parallel expansion for up to 240A high-current output.
- Fully digital control with integrated OVP, OCP, and OPP protections.
- Standard USB CDC, RS485, and Ethernet interfaces; SCPI compatible.
- 3.9-inch TFT color display for real-time viewing of dynamic waveforms and test parameters.

○ Main Specifications

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

Model		OWH6522
Channel		1
Rated output (0°C-40°C)	Voltage	0 - 60V
	Current	0 - 120A
Power		3000W
Input power		100V-240Vac*1; 45Hz-65Hz
Load regulation*2	CV	≤30mV
	CC	≤60mA
Input power regulation	CV	≤30mV
	CC	≤60mA
Setting resolution		10mV/1mA
Readback resolution		10mV/1mA
Setting accuracy	Voltage	≤0.05% ± 30mV
	Current	≤0.1% ± 120mA
Readback accuracy	Voltage	≤0.05% ± 30mV
	Current	≤0.1% ± 120mA
Ripple noise	Voltage	≤80mVp-p
	Current	≤120mArms
Output temp drift coefficient (0°C-40°C)		100ppm/°C (Voltage); 200ppm/°C (Current)
Readback temp drift		100ppm/°C (Voltage); 200ppm/°C (Current)
Transient response (10%-90% rated load)		≤5.0ms
Working temperature		0-40°C
Display		3.9-inch TFT LCD screen
Interface		USB, LAN, RS485
Dimension (W*H*D mm)		428mm * 88.0mm * 446.2mm
Weight (kg)		Approx. 13kg

*1: Output power is derated at low input voltage. Max input current ≤ 16 A.

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

Specifications subject to change without prior notice.

○ Ordering Information

Ordering Information	Order NO.
Main Unit Models	
0-60V, 0-120A, 3000.0W, 1CH	OWH6522
0-60V, 0-120A, 3000.0W, 1CH, PV Simulation Function	OWH6522-S
Standard Accessories	
Quick Guide	_____
Power cord	_____
Data cable	7ULD10
Optional Accessories	
Banana head to crocodile clip cable	7B2A-16
Warranty	
Main unit: 1-year warranty (excluding accessories)	