

OWH6522

60V/120A 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 remote control
- Built-in P-V curve simulation to accurately simulate solar panel I-V characteristics
- 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

Features

Precise Control • Powerful Output

Features **wide-range output** capability and **high-precision** voltage/current control, integrating long-term stability, high reliability, and low thermal drift, it delivers an outstanding setting accuracy of up to **0.05%**.

0.05%
High Precision

3000W
High Power

120A
High Current

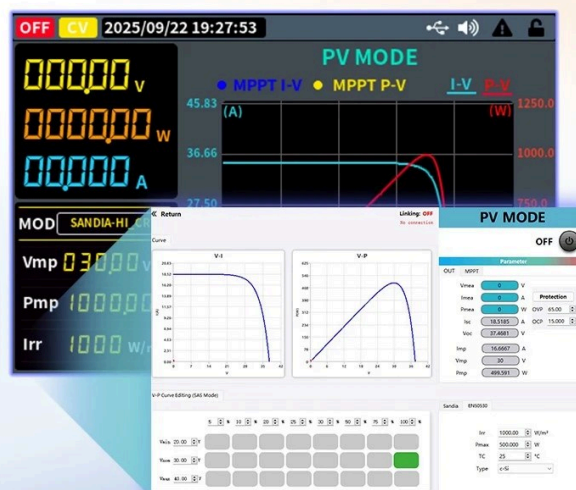


Precise Control • Powerful Output

3000W wide-range output with high-precision voltage/current control, long-term stability, high reliability and low thermal drift; setting accuracy up to 0.05%.

P-V Curve Simulation (Optional)

With built-in EN50530 and Sandia curve models for realistic PV simulation, combined with PC software control, it easily achieves multi-unit control and MPPT tracking tests to meet the R&D needs for PV and energy storage devices.



P-V Curve Simulation (Optional)

Built-in EN50530 and Sandia curve models for realistic PV simulation; with PC software, multi-unit control and MPPT tracking tests.

LIST Waveform Programming Output

Supports up to 100 programmable steps; provides three convenient editing methods—front panel, PC software, and USB flash drive CSV import, flexibly generating various complex test waveforms.

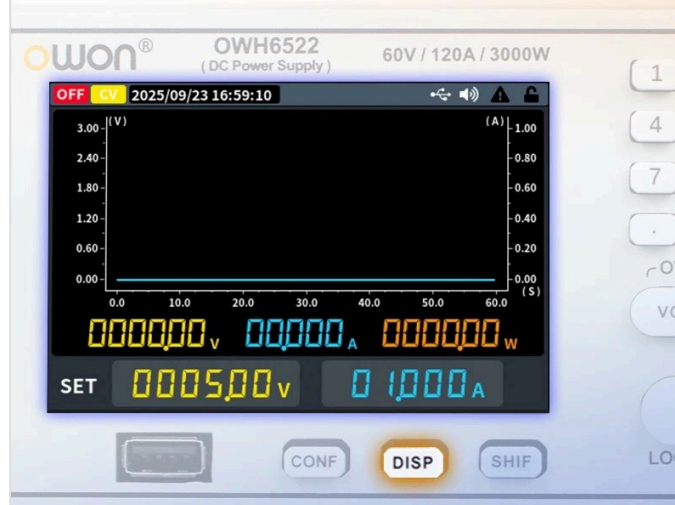


LIST Waveform Programming Output

Up to 100 programmable steps; editing via front panel, PC software or USB flash drive CSV import.

Real-Time Waveform Display

Press the **DISP** key to instantly switch to the **real-time voltage/current waveform display**, allowing intuitive observation of output dynamics.



Real-Time Waveform Display

Press the DISP key to switch to the real-time voltage/current waveform display.



PC Software Programming Output

USB Device, RS485 and LAN interfaces; remote monitoring, parameter configuration and data logging.



Precise Control, Comprehensive Protection

OVP / OCP / OPP, SCPI/MODBUS remote setup, file management, CC/CV priority selectable.

Product Dimensions



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	≤120mA _{rms}
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)		428 × 88.0 × 446 mm
Weight		Approx. 13kg

*1: Output power is derated at low input voltage. Max input current ≤16A. *2: The detection point of this indicator is the voltage compensation terminal. Specifications subject to change without prior notice.