



OWH67 Series

*Steady as a Rock,
Powering Continuously !*

	Output Power	Output Voltage	Output Current
OWH67012	1200W	80V/150V/300V	30A/20A/10A
OWH67018	1800W	150V	30A
OWH67020	2000W	150V/300V/600V	20A/10A/10A
OWH67030	3000W	150V/300V/600V	40A/30A/15A/10A
OWH67060	6000W	300V/600V/1200V	30A/20A/10A

- ◆ 1/2 2U standard 19-inch rack
- ◆ Supports wide voltage input (85V-265V) to meet the needs of different countries
- ◆ High precision constant power output of 1200W - 6000W, wider output voltage/current range
- ◆ High output resolution 10mV / 1mA
- ◆ Supports 100-step LIST waveform programmable output
- ◆ CV / CC priority, with adjustable rise/fall time
- ◆ Built-in discharge circuit for output
- ◆ Supports SCPI, USB serial communication for remote control
- ◆ Supports photovoltaic simulator output function, embedded with EN50530, Sandia and other PV standard curves for direct evaluation of PV inverter MPPT efficiency (optional)
- ◆ Supports analog input and output as well as dry contact functionality
- ◆ 3.9" TFT LCD, capable of real-time display of voltage/current/power curves and online recording of 1-minute data, achieving integrated source-meter functionality, convenient for locating and capturing load anomalies.

Vivid Vision, Beauty Inside and Out

- + 3.9" TFT LCD color screen displays real-time voltage/current curves, records 1-minute data online, and integrates source-meter capabilities for easy detection and capture of load anomalies.



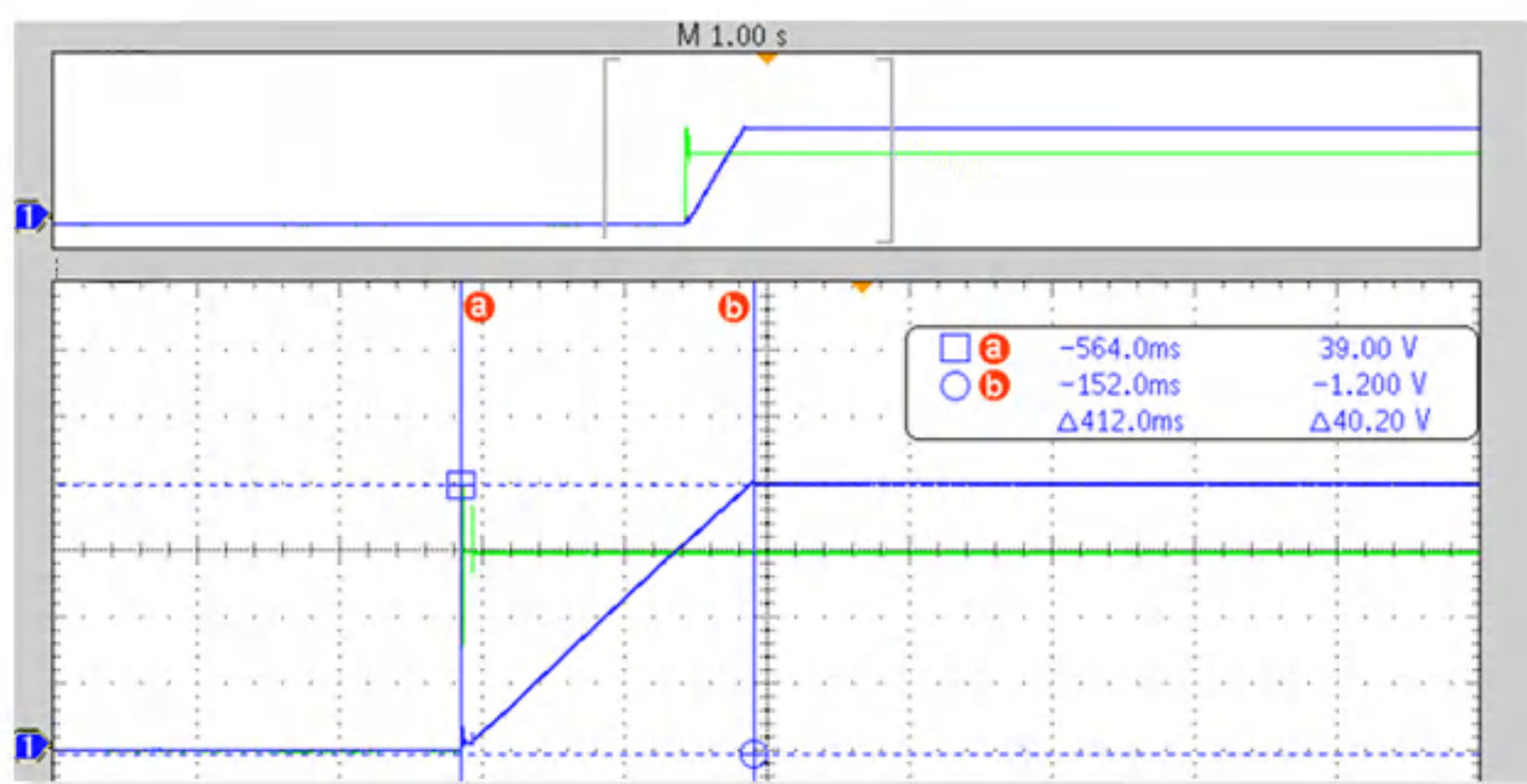
- + Adjustable overvoltage/overcurrent/overpower protection function, as well as input undervoltage, internal short circuit or abnormal protection function.



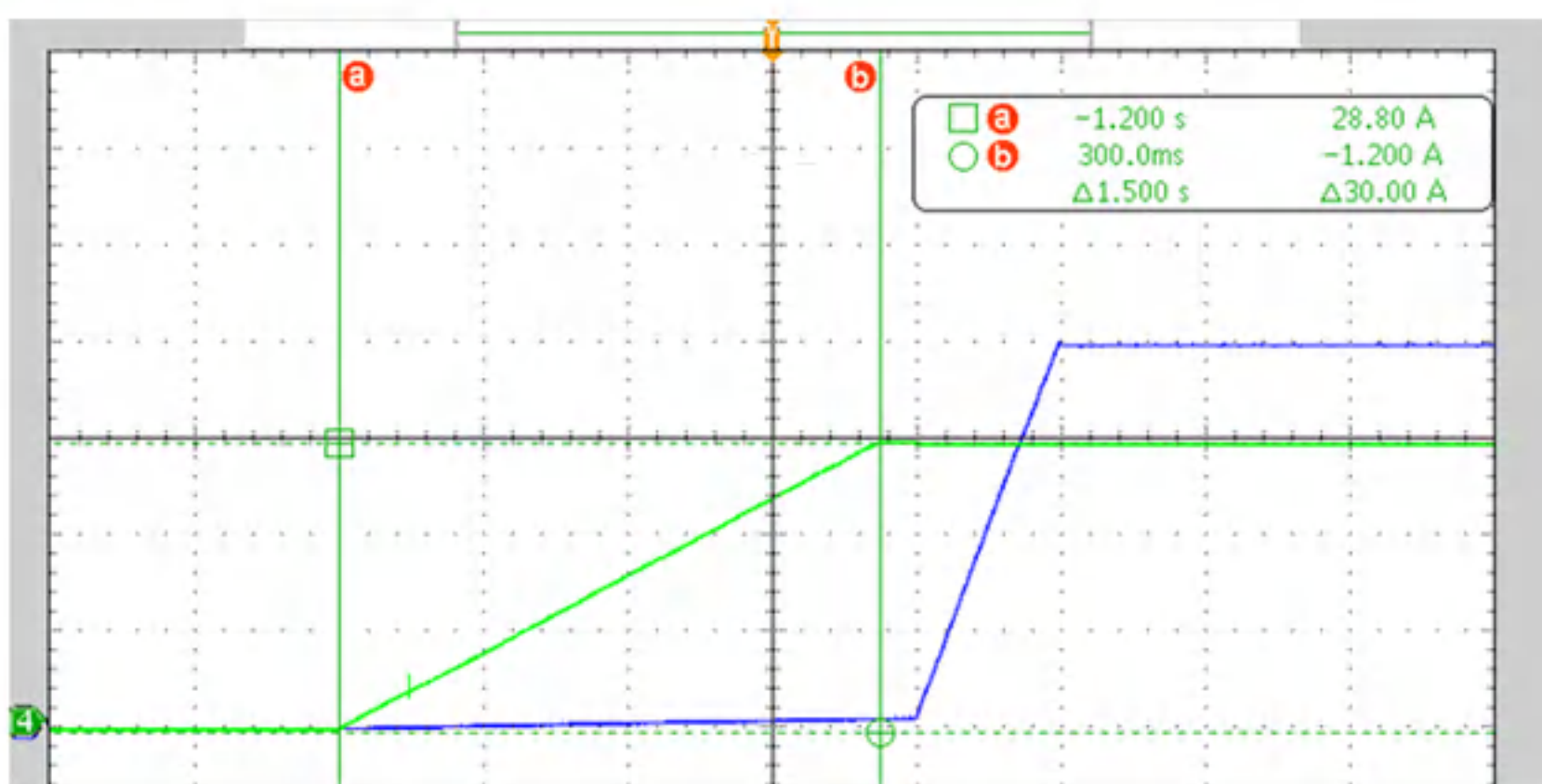
+ CC/CV priority

This feature ensures that voltage and current do not overshoot during start-up with various loads. For example, in applications with diode/LED loads, conventional power supplies in CV priority mode can cause surge currents and voltage breakthroughs during conduction. CC priority mode prevents surge currents and voltage breakthroughs at startup, protecting the DUT.

■ CV first

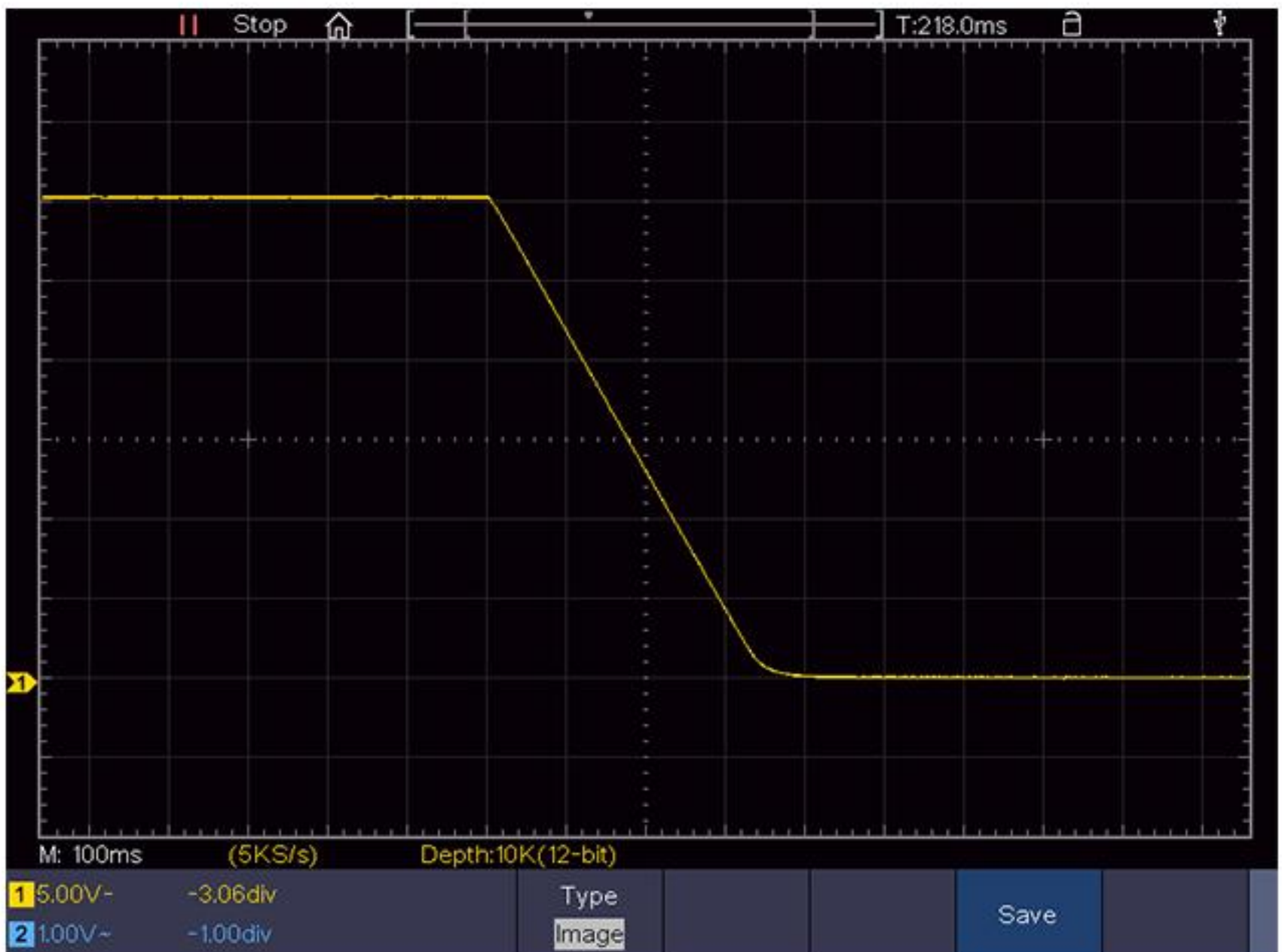
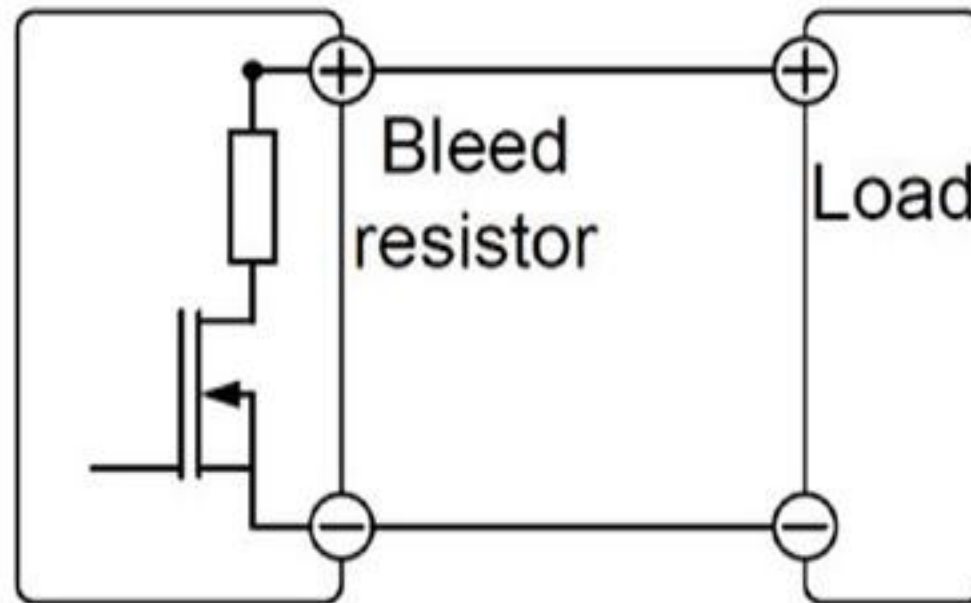


■ CC first



+ Built-in discharge circuit

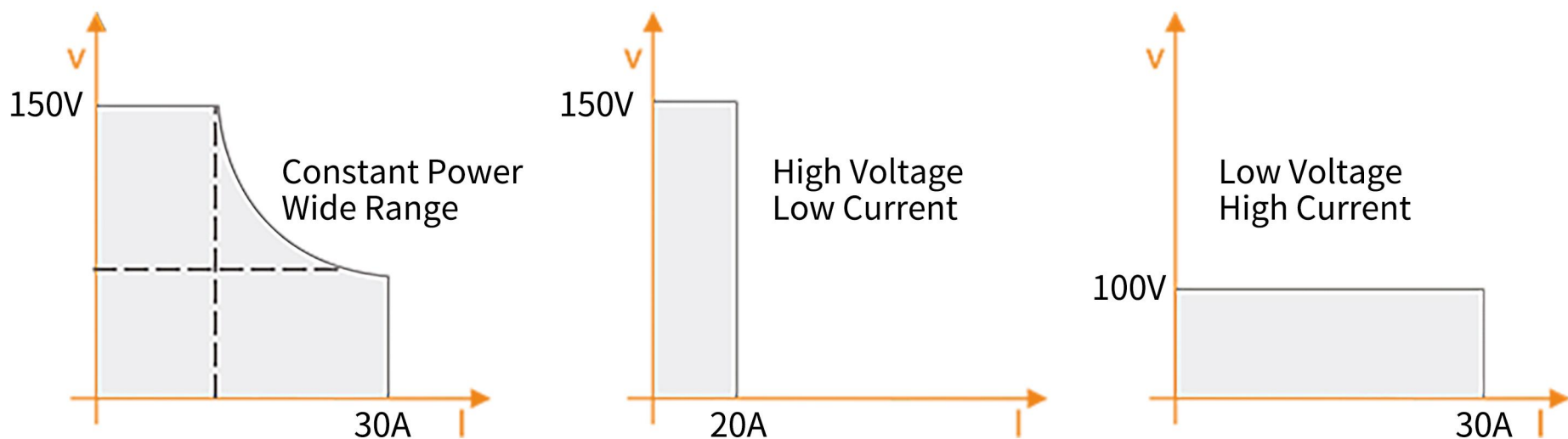
The power supply includes a discharge resistor parallel to the output terminal for controlled discharge. This resistor safely dissipates residual charge from the filter capacitors when the power supply is off or the load is disconnected, preventing potential hazards.



One Device, Multiple Uses

+ Wide Range Constant Power Output, Equivalent to Multiple Power Supplies

Under constant power output limitation, automatic voltage and current range switching allows for high voltage at low current and high current at low voltage. This broadens the output range, offering users more voltage and current combinations.



+ Programmable LIST Waveform Output Function

Power supply supports up to 100 sequence steps, with step durations from 1 ms to 28 hours. Users can customize each step for sequential constant voltage or constant current output, meeting specific testing requirements effectively.



+ Capable of both Outputting and Testing (optional)

The power supply supports photovoltaic simulator output function, with built-in EN50530, Sandia, and other PV standard curves, allowing users to easily evaluate the MPPT efficiency of PV inverters.



+ Parallel Mode

The power supply supports multiple units in both parallel and series configurations, expanding the maximum power to 9 kW, with a maximum voltage output of 600V and maximum current output of 300A.

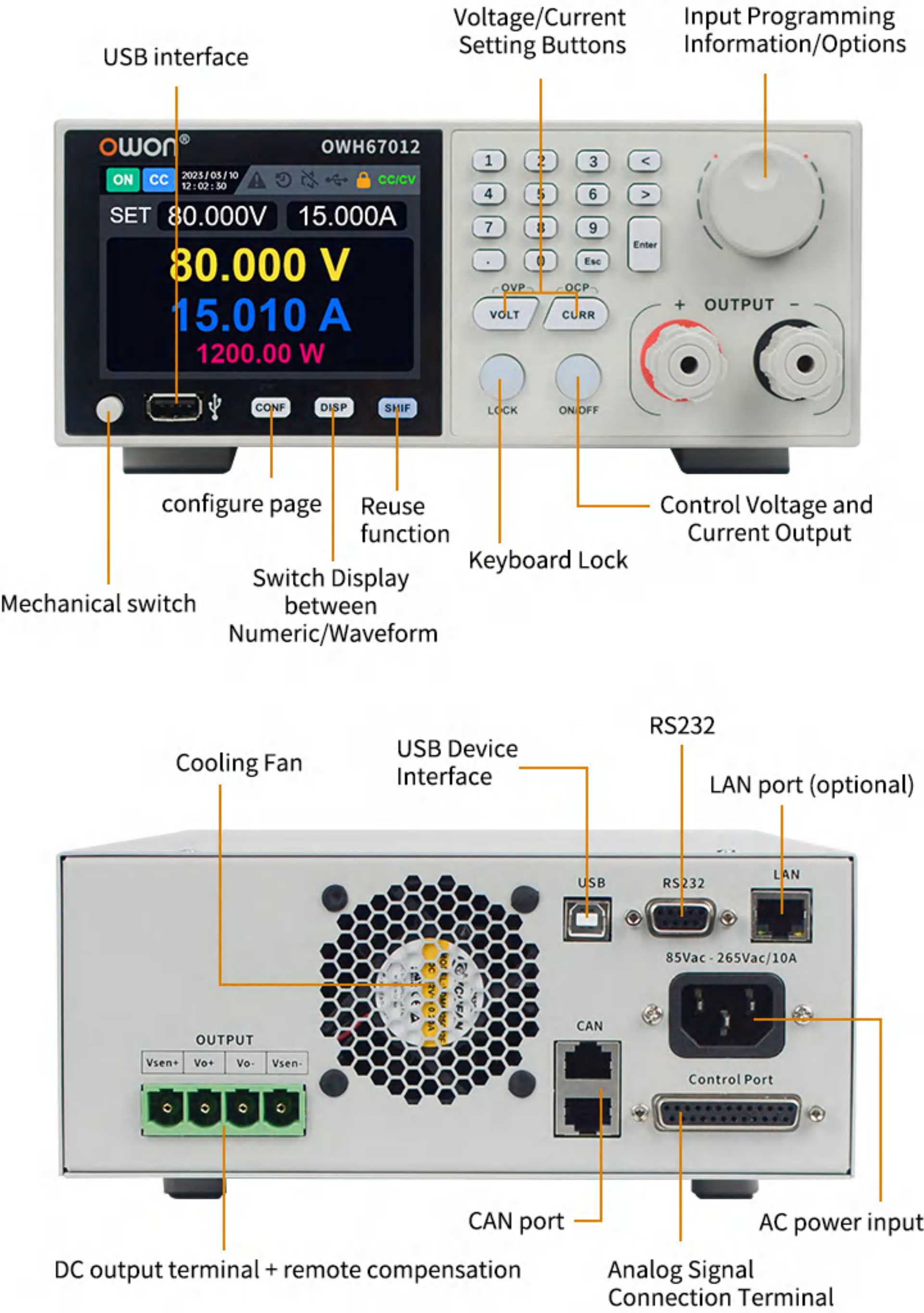
the parallel unit functions as individual unit

no calibration needed at parallel connection mode



For more units in series or parallel, please contact us.

Product Structure



Parameter Specifications and Attachments

The specifications based upon the instrument having run for at least 30 minutes continuously, under the specified operating environment

Model		OWH67012	OWH67018	OWH67020	OWH67030	OWH67060
Power		1200W	1800W	2000W	3000W	6000W
Power Supply		85V-265Vac; 50/60Hz				
Load Regulation	CV	$\leq 0.03\% + 0.03\%FS$				
$\pm(\% \text{ of Output} + \text{Offset})$	CC	$\leq 0.05\% + 0.05\%FS$				
linear Regulation	CV	$\leq 0.03\% + 0.03\%FS$				
$\pm(\% \text{ of Output} + \text{Offset})$	CC	$\leq 0.05\% + 0.05\%FS$				
Settings Resolution		10mV/1mA				
Readback Resolution		10mV/1mA				
Settings Accuracy(25°C±5°C)		Voltage: $\leq 0.05\% + 0.05\%FS$; Current: $\leq 0.1\% + 0.1\%FS$				
Readback Accuracy(25°C±5°C)		Voltage: $\leq 0.05\% + 0.05\%FS$; Current: $\leq 0.1\% + 0.1\%FS$				
Noise/Ripple(*)	Voltage	$\leq 0.1\%FS$ Vp-p				
	Current	$\leq 50mArms$	$\leq 50mArms$	$\leq 30mArms$	$\leq 50mArms$	$\leq 50mArms$
Temperature	Voltage	100ppm/°C				
Coefficient (0°C - 40°C)	Current	200ppm/°C				
Readback Temperature	Voltage	100ppm/°C				
Coefficient	Current	200ppm/°C				
Recovery Time (0%~100% rated load)		$\leq 5ms$				
Operation Temperature		0-40°C				
Display		3.9 inch LCD				
Interface		RS485, USB, CAN, DB25, LAN(optional)				
Size (W*H*D)		214.6mm x 88.0mm x 453.0mm				425.0 x 88.0 x
Weight		6.4kg	6.8kg	6.8kg	6.8kg	13kg

Specifications subject to change without prior notice.

Order No.	Order Information
OWH67012-80	0-80.000V/0-30.000A/1200.0W; 1CH
OWH67012-150	0-150.000V/0-20.000A/1200.0W;1CH
OWH67012-300	0-300.000V/0-10.000A/1200.0W;1CH
OWH67018-150	0-150.000V/0-30.000A/1800.0W;1CH
OWH67020-150	0-150.000V/0-20.000A/2000.0W;1CH
OWH67020-300	0-300.000V/0-10.000A/2000.0W;1CH
OWH67020-600	0-600.000V/0-10.000A/2000.0W;1CH
OWH67030-150	0-150.000V/0-30.000A/3000.0W;1CH
OWH67030-300	0-300.000V/0-15.000A/3000.0W;1CH
OWH67030-600	0-600.000V/0-10.000A/3000.0W;1CH
OWH67060-300	0-300.000V/0-30.000A/6000.0W;1CH
OWH67060-600	0-600.000V/0-20.000A/6000.0W;1CH
OWH67060-1200	0-1200.000V/0-10.000A/6000.0W;1CH
OWH67-L	LAN port
OWH67-S	Solar Panel Simulator

+ Accessories The accessories subject to final delivery.



Power Cord



Quick Guide



USB Cable



Output terminal
(Only for
OWH67012
/18/20/30
series)



Remote voltage
sense terminals
(Only for
OWH67060
series)



AC terminal
Protective cover
(Only for
OWH67060
series)



DC terminal
Protective cover
(Only for
OWH67060
series)



Handle
(Optional)