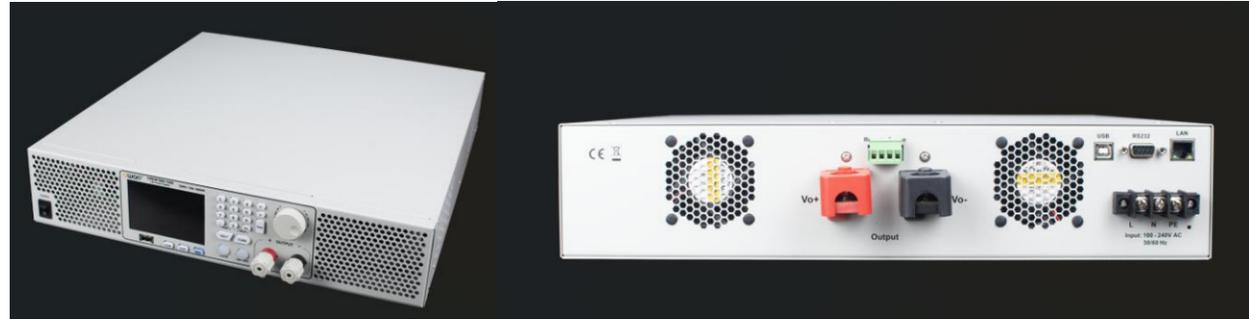




# OWH67B Series Bi-directional Programmable DC Power Supply

OWH67B018-60 0-60V/0-120A/1800W 2U  
 OWH67B036-60 0-60V/0-240A/3600W 4U



## Highlights

- **2U/4U rack-mount mechanical design**, compliant with standard 19-inch cabinet installation requirements; supports front and rear output configurations.
- **Integrated source/load architecture**: Source modes include CC/CV/CP; load modes include CC/CV/CR/CP.
- **Bidirectional power stage with seamless mode transfer**, enabling fast transition between sourcing and sinking operations while minimizing voltage and current overshoot.
- **Single-channel high-accuracy output (0.05%)**, supporting up to **3600 W / 240 A** operating range.
- **Programming resolution**: 10 mV / 10mA. **Measurement (readback) resolution**: 10 mV / 10mA.
- Supports **CV/CC priority start-up mode** configuration during the source mode
- Equipped with a **3.95-inch TFT LCD color display**, supporting curve output display and 1-minute online data logging
- **Fully digital control**, integrating OVP, OCP, OPP, OTP, and input under-voltage protection
- Supports **LAN, RS485, USB** communication interfaces; compatible with **SCPI and Modbus** protocols.
- Supports **PV simulation** with built-in EN50530, Sandia, and other SAS models, plus a professional PC software suite for one-click report generation
- **Supports high-fidelity battery simulation**: Built-in charge/discharge characteristic models for **seven battery types**, enabling users to conveniently simulate real-world battery usage scenarios in a safe, reliable, and user-friendly manner.

**Convenient front-panel operation and configuration**: Supports charge/discharge characteristic curves for seven battery types (LiFePO<sub>4</sub> / NMC / LiCoO<sub>2</sub> / LTO / Ni-MH / Lead-acid / Li-Ni-Co), as well as **PV photovoltaic characteristic curves**.



## Specifications

Specifications apply after a 30-minute warm-up under rated temperature conditions.

Model		OWH67B018-60	OWH67B036-60
Rate Output (0°C-40°C)	Output voltage	0 - 60V	0 - 60V
	Output current	-120A ~120A	-240A~ 240A
	Output power	-1.8kW-1.8kW	-3.6kW-3.6kW
Input	Volt/freq.	198V-240Vac; 45Hz-65Hz	
Load regulation (%of output+offset)	CV	≤30mV	≤30mV
	CC	≤60mA	≤60mA
Line regulation (%of output+offset)	CV	≤30mV	≤30mV
	CC	≤60mA	≤60mA
Setting resolution	Voltage	10mV	10mV
	Current	10mA	10mA
Readback resolution	Voltage	10mV	10mV
	Current	10mA	10mA
Setting accuracy	Voltage	≤0.05% ± 30mV	≤0.05% ± 30mV
	Current	≤0.1% ± 120mA	≤0.1% ± 300mA
Readback accuracy	Voltage	≤0.05% ± 30mV	≤0.05% ± 30mV
	Current	≤0.1% ± 120mA	≤0.1% ± 300mA
Noise & ripple(*)	Voltage	≤60mVp-p	≤100mVp-p
	Current	≤120mArms	≤200mArms
Temperature drift (0°C-40°C)	Voltage	100ppm/°C	100ppm/°C
	Current	200ppm/°C	200ppm/°C
Dynamic (10%-90% rated load)		≤5.0ms	≤5.0ms
efficiency		93% (rated voltage output) ; 91%(rated current)	93% (rated voltage output) ; 91% (rated current)
MOV		0.8V@120A	0.8V@240A
Working temperature		0-40°C	0-40°C
Display		3.95-inch TFT LCD	
Interface		USB, LAN, RS485	USB, LAN,RS485
Dimensions		428mm (W) X 88.0mm (H) X 446.2mm (D)	428mm (W) X 196.0mm (H) X 446.2mm (D)
Weight		Approx. 13kg	Approx. 20kg

\* Noise bandwidth 20MHz, ripple bandwidth 1MHz, connect 10uF electrolytic capacitor in parallel with 0.1uF ceramic capacitor to eht output terminal for testing