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Data Sheet

August 13, 2026

GW INSTEK

GW Instek PSH-6006 360W Programmable DC Supply

Key Features - Wide AC input and high power factor - Output ON/OFF and built-in buzzer - Standard RS-232C; optional GPIB (IEEE-488.2) cannot be installed together - Modular architecture with rear output - Do not confuse with PSH-6012 (720 W) or PSH-6018A (1080 W)

Technical Specifications Model: PSH-6006 Manufacturer: GW Instek Instrument Type: Programmable switching DC power supply Series: PSH Alias: PSH6006; PSH-6006A Output voltage: 60 V Output current: 6 A Rated power: 360 W class (PSH single-module column) CV load regulation: 0.1% + 5 mV CV line regulation: 0.05% + 5 mV CC load regulation: 0.2% + 5 mA CC line regulation: 0.2% + 5 mA Voltage ripple rms: 10 mVrms Voltage ripple peak to peak: 100 mVp-p, 20 Hz to 20 MHz Current ripple: 0.



MODEL

GW Instek PSH-6006

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PSH-6006

LISTING

<https://aumictechlabs.com/products/psh-6006-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The GW Instek PSH-6006 is a programmable, high-voltage DC power supply designed for applications requiring stable and precise high-voltage power. This unit delivers up to 600V with a current of 6A. It incorporates a user-friendly interface for easy setup and monitoring.

Comprehensive protection features ensure the safety of the device and the connected load, making it suitable for demanding testing and research environments.

Features & description

From manufacturer datasheet

Features

- Wide AC input and high power factor
- Output ON/OFF and built-in buzzer
- Standard RS-232C; optional GPIB (IEEE-488.2) cannot be installed together
- Modular architecture with rear output
- Do not confuse with PSH-6012 (720 W) or PSH-6018A (1080 W)

PSH6006 Characteristics / Specifications

PARAMETER	VALUE
Model	PSH-6006
Manufacturer	GW Instek
Instrument Type	Programmable switching DC power supply
Series	PSH
Alias	PSH6006; PSH-6006A
Output voltage	60 V
Output current	6 A
Rated power	360 W class (PSH single-module column)
CV load regulation	0.1% + 5 mV
CV line regulation	0.05% + 5 mV
CC load regulation	0.2% + 5 mA
CC line regulation	0.2% + 5 mA
Voltage ripple rms	10 mVrms
Voltage ripple peak to peak	100 mVp-p, 20 Hz to 20 MHz
Current ripple	0.2%
Voltage resolution	20 mV (rating greater than 36 V)
Current resolution 60 V	10 mA
Program voltage accuracy	0.05% + 50 mV (rating greater than 36 V)
Program current accuracy 60 V	0.2% + 30 mA
Readback resolution	same as setpoint resolution
Readback accuracy	same as program accuracy
Readback temp coefficient	100 ppm per C (25 C $\pm$ 5 C)
Voltage rise 10 to	150 ms (95% rating load)
Voltage fall 90 to	150 ms (10% rating load)
CV recovery	2 ms (50% step, 25% to 75% load)

PARAMETER	VALUE
Protection	OVP, OCP, OTP, rush current
Output on off	provided
Interface standard	RS-232C
Interface option	GPIO IEEE-488.2 (not simultaneous with RS-232C)
AC power	90 V to 250 V, 50/60 Hz
Dimensions	108 mmWx 141 mmHx 388 mmDWeight: approximately 3.3 kg
Accessories	instruction manual
Display	LCD

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Voltage rise 10 to 90	150 ms (95% rating load)
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Notes
Specs from GW Instek PSH-Series specification sheet, 60 V / 6 A (PSH-6006) in the 360 W / 108 mm column.
Catalog units may carry anAsuffix (PSH-6006A). Do not apply PSH-6018 18 A / 9.3 kg rows.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.