

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

ISO-TECH

ISO-Tech IPS-606D

Key Features - Dual measurement LED display - Remote sense for cable-drop compensation - Remote output On/Off control terminals - HI/LO current-range switch (family) - High efficiency switching topology versus linear 360 W peers - Overvoltage protection with adjustable trip

Technical Specifications Model: IPS-606D Manufacturer: ISO-Tech / RS PRO (GW Instek SPS-606 class) Instrument Type: Switching DC power supply Series: IPS (SPS-606 equivalent) Alias: IPS606D; RS PRO IPS-606D; SPS-606 Rated power: 360 W Output voltage: 0 to 60 V Output current: 0 to 6 A CV line regulation: 5 mV or less CV load regulation: 5 mV or less CV ripple noise: 5 mVrms, 100 mVp-p, 20 Hz to 20 MHz Recovery time: 500 us or less (50% load change, minimum load 0).



MODEL

ISO-Tech IPS-606D

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

IPS-606D

LISTING

<https://aumictechlabs.com/products/ips-606d-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The ISO-Tech IPS-606D is a single-output, 360W switching DC power supply engineered for electronic testing, development, and laboratory environments. It delivers continuously adjustable output voltage from 0 to 60V and current from 0 to 6A, with dual 3½-digit LED displays (green for voltage, red for current) providing simultaneous real-time monitoring. The unit operates in constant voltage and constant current modes with automatic crossover based on load conditions, maintaining exceptional regulation through line and load stability specifications. Remote output

control and sensing capabilities enable precise distributed power management across test benches and development stations. Technical Specifications Power and Input Output Power: 360W Output Voltage: 0–60V continuously adjustable Output Current: 0–6A continuously adjustable Input Voltage: 115V / 230V $\pm 15\%$, 50/60Hz (switch selectable) Voltage Regulation (CV Mode) Line Regulation: $\leq 5\text{mV}$ Load Regulation: $\leq 5\text{mV}$ Ripple & Noise: $\leq 5\text{mV}_{\text{rms}}$, $\leq 100\text{mV}_{\text{p-p}}$ (20MHz bandwidth) Temperature Coefficient: $\leq 100\text{ppm}/^\circ\text{C}$ Recovery Time: $\leq 500\mu\text{s}$ (50% load change, minimum 0.5A load) Current Regulation (CC Mode) Line Regulation: $\leq 3\text{mA}$ Load Regulation: $\leq 3\text{mA}$ Ripple & Noise: $\leq 3\text{mArms}$ Display and Measurement Dual LED Displays: 3½ digit resolution Accuracy: $\pm(0.5\%$ of reading + 2 digits) voltage and current Environmental Operating Temperature: 0°C to $+40^\circ\text{C}$ Storage Temperature: -10°C to $+70^\circ\text{C}$ Operating Humidity: $<80\%$ Altitude: Up to 2000m Key Features Dual-mode operation with automatic CV/CC crossover Over-voltage protection (OVP) for load safety Remote ON/OFF output control via external terminals Remote sensing for cable-loss compensation Compact form factor: 128mm (W) $\times$ 145mm (H) $\times$ 285mm (D), 3.2kg Typical Applications Component and subsystem functional testing Circuit development and prototype validation Burn-in and stress testing procedures Bench-top laboratory power requirements Compatibility & Integration Supports external control via remote ON/OFF terminals and remote sensing inputs for distributed or automated test setups. Includes user manual, power cord, and GTL-203A test leads.

Features & description

From manufacturer datasheet

Features

- Dual measurement LED display
- Remote sense for cable-drop compensation
- Remote output On/Off control terminals
- HI/LO current-range switch (family)
- High efficiency switching topology versus linear 360 W peers
- Overvoltage protection with adjustable trip

IPS606D Characteristics / Specifications

PARAMETER	VALUE
Model	IPS-606D
Manufacturer	ISO-Tech / RS PRO (GW Instek SPS-606 class)
Instrument Type	Switching DC power supply
Series	IPS (SPS-606 equivalent)
Alias	IPS606D; RS PRO IPS-606D; SPS-606
Rated power	360 W
Output voltage	0 to 60 V
Output current	0 to 6 A
CV line regulation	5 mV or less
CV load regulation	5 mV or less
CV ripple noise	5 mVrms, 100 mVp-p, 20 Hz to 20 MHz
Recovery time	500 us or less (50% load change, minimum load 0.5 A)
Temperature coefficient	100 ppm perCor less
CV output range	0 to rating voltage, continuously adjustable
CC line regulation	3 mA or less
CC load regulation	3 mA or less
CC ripple current	3 mArms or less (IPS-606D / SPS-606)
CC output range	0 to rating current, continuously adjustable (HI/LO range switchable)
Meter type	3 1/2 digit, 0.39 inch LED, dual display
Meter accuracy	±(0.5% of reading + 2 digits)
Insulation chassis terminal	20 Mohm or above at DC 500 V
Insulation chassis AC cord	30 Mohm or above at DC 500 V
AC power	115 V / 230 V ±15%, 50/60 Hz
Mains 115 V range	97 V to 133 V (instruction manual)
Mains 230 V range	195 V to 265 V (instruction manual)

PARAMETER	VALUE
Dimensions	128 mmWx 151 mmHx 295 mm D (RS PRO datasheet)
Weight	approximately 3.2 kg
Accessories	user manual, power cord, test lead GTL-203A
Operating temperature	0 C to 40 C, less than 80% RH (instruction manual)
Storage temperature	-10 C to 70 C, less than 70% RH (instruction manual)
Altitude	up to 2000 m, indoor use, Installation Category II
OVP range class	5% of rating to rating +5.5% (instruction manual)

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	−10 C to 70 C, less than 70% RH (instruction manual)
Operating temperature	0 C to 40 C, less than 80% RH (instruction manual)
Operating Temperature	0 C to 40 C, less than 80% RH (instruction manual)
Altitude	up to 2000 m, indoor use, Installation Category II
OVP range class	5% of rating to rating +5.5% (instruction manual) Notes Specs from the RS PRO IPS-1820D / IPS-3610D / IPS-606D datasheet and IPS-606D instruction manual, which match the GW Instek SPS-606 switching family. Confirm ISO-Tech versus RS PRO faceplate and 115/230 V switch setting. Related IPS models: IPS-1820D (18 V/20 A) and IPS-3610D (36 V/10 A).

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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Series	IPS (SPS-606 equivalent)
Alias	IPS606D; RS PRO IPS-606D; SPS-606
Rated power	360 W
Output voltage	0 to 60 V
Output current	0 to 6 A
CV line regulation	5 mV or less
CV load regulation	5 mV or less
CV ripple noise	5 mVrms, 100 mVp-p, 20 Hz to 20 MHz
Recovery time	500 us or less (50% load change, minimum load 0.5 A)
Temperature coefficient	100 ppm perC or less
CV output range	0 to rating voltage, continuously adjustable
CC line regulation	3 mA or less
CC load regulation	3 mA or less
CC ripple current	3 mArms or less (IPS-606D / SPS-606)
CC output range	0 to rating current, continuously adjustable (HI/LO range switchable)
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Notes

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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.