

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

HP / AGILENT

HP / Agilent 6477C DC POWER SUPPLY 0-220V / 50A

Front panel local control with remote path class Instrument Family: HP Agilent 6477C DC Power Supply Form Factor: rack or modular class per series Remote Interface Class: HP-IB/GPIB class on series Instrument Family: HP Agilent 6477C DC Power Supply Form Factor: rack or modular class per series Remote Interface Class: HP-IB/GPIB class on series Series Literature: high power 6400-series



MODEL

HP / Agilent 6477C

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

6477C

LISTING

<https://aumictechlabs.com/products/6477c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The HP/Agilent 6477C is a 10 kW DC power supply delivering 0–220 V and 0–50 A with dual-mode CV/CC operation. SCR-regulated architecture provides stable output across medium to high-power test, research, and industrial applications. Front-panel meters (2% accuracy) display voltage and current in real time, while remote programming and sensing via rear barrier strip enable flexible system integration. Multi-unit configurations support auto-series, auto-parallel, and auto-tracking modes. Technical Specifications Output Ratings: Voltage: 0–220 V DC Current: 0–50 A DC Maximum Power: 10 kW Mode: Constant Voltage/Constant Current (CV/CC) Regulation & Stability: CV Load Regulation: <0.05% + 100 mV CC Load Regulation: <0.1% + 50 mA CV Line Regulation: <0.05% + 100 mV CC Line Regulation: <0.1% + 60 mA CV Stability (8 hours): <0.15% +

35 mV drift CC Stability (8 hours): $<0.3\% + 250 \text{ mA}$ drift CV Temperature Coefficient: $<0.03\% + 8 \text{ mV}/^{\circ}\text{C}$ CC Temperature Coefficient: $<0.06\% + 65 \text{ mA}/^{\circ}\text{C}$ Metering: Voltmeter: 0–250 V, $\pm 2\%$ full scale Ammeter: 0–60 A, $\pm 2\%$ full scale Key Features Remote voltage/current programming: 300 Ω/V (CV), 20 Ω/A (CC), each $\pm 2\%$ accurate Remote sensing via rear barrier strip for load-point regulation Front-panel analog meters for instantaneous output monitoring Multi-unit connectivity: auto-series, auto-parallel, auto-tracking via rear terminals AC Input & Configuration Selectable three-phase AC input at order: 208 V ac $\pm 10\%$, 15.5 A/phase, 57–63 Hz 230 V ac $\pm 10\%$, 14 A/phase, 57–63 Hz 380 V ac $\pm 10\%$, 8.5 A/phase, 57–63 Hz 400 V ac $\pm 10\%$, 8.0 A/phase, 57–63 Hz 460 V ac $\pm 10\%$, 7 A/phase, 57–63 Hz 50 Hz operation available via Option 005 realignment. Enclosed 4-wire terminal block or 4-conductor connector at unit rear. Typical Applications Device and component characterization, burn-in testing, power-source simulation, battery charging, and industrial load development.

6477C Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	HP Agilent 6477C DC Power Supply
Manufacturer	HP Agilent
Form Factor	rack or modular class per series
AC Powered	yes
Remote Interface Class	HP-IB/GPIB class on series
Local Control	front panel
Display	digital or analog meter class
Operating Temperature Class	laboratory
Cooling	forced air or convection class
Series Literature	high power 6400-series
Status Indicators	yes class
Self Test Path	configuration dependent
Calibration Path	HP procedures class
Protection Class	instrument specific protections
Input Output Isolation Class	per manual
Firmware Or Serial Prefix	determines exact table
Weight Class	series dependent
Size Class	series dependent
Power Consumption Class	series dependent
Safety Markings Class	IEC/UL era markings
Documentation	operating and service manuals required for numeric limits
Operating temperature	Class: laboratory
Output isolation	Class: per manual

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: laboratory
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Operating Temperature Class	laboratory
Cooling	forced air or convection class
Series Literature	high power 6400-series
Status Indicators	yes class
Self Test Path	configuration dependent
Calibration Path	HP procedures class
Protection Class	instrument specific protections
Input Output Isolation Class	per manual
Firmware Or Serial Prefix	determines exact table
Weight Class	series dependent
Size Class	series dependent
Power Consumption Class	series dependent
Safety Markings Class	IEC/UL era markings
Documentation	operating and service manuals required for numeric limits Notes Sparse public numeric tables for this exact suffix; rows state verified identity and series class. Confirm exact ratings on the faceplate, option list, and HP operating manual before quoting limits. Do not invent V/I/frequency numbers.

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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exact ratings on the faceplate, option list, and HP operating manual before quoting limits. Do not invent V/I/frequency numbers.

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.