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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6483C DC Power Supply

HP Agilent 6483C SCR-10 DC Power Supply 0 to 600 V 0 to 15 A The HP 6483C is the high-voltage SCR-10 family CV/CC supply. OEM SCR-10 manuals note additional output-range information unique to 6466C and 6483C. Published 6483C range tables list 0-440 V at 25 A, 0-500 V at 20 A, and 0-600 V at 15 A (10 kW class) with three-phase AC input options. High-voltage industrial DC, capacitor and insulation test, and CV/CC sourcing to 600 V. Multiple output ranges including 600 V / 15 A The HP 6483C is the high-voltage SCR-10 family CV/CC supply. OEM SCR-10 manuals note additional output-range information unique to 6466C and 6483C. Published 6483C range tables list 0-440 V at 25 A, 0-500 V at 20 A, and 0-600 V at 15 A (10 kW class) with three-phase AC input options. High-voltage industrial DC, capacitor and insulation test, and CV/CC sourcing to 600 V. Multiple output ranges including 600 V / 15 A

Instrument Type: Constant voltage constant current DC power supply

**MODEL****Agilent / Keysight
6483C****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****6483C****LISTING**<https://aumictechlabs.com/products/6483c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 6483C Picoammeter is a tool meticulously engineered for exacting low-current measurements. This instrument excels in delivering exceptional sensitivity and accuracy, catering to the stringent demands of research, development, and manufacturing sectors. Equipped with a broad measurement range and rapid reading capabilities, the 6483C ensures precise and efficient data acquisition. Its versatile connectivity options facilitate seamless

integration into automated testing environments, enhancing overall productivity and streamlining workflows.

6483C Characteristics / Specifications

PARAMETER	VALUE
Model	6483C
Instrument Type	Constant voltage constant current DC power supply
Series Family	HP SCR-10
Output Range High Voltage	0 to 600 V at 0 to 15 A
Output Range Mid	0 to 500 V at 0 to 20 A
Output Range Low	0 to 440 V at 0 to 25 A
Output Power Class	10 kW
Regulation Architecture	SCR regulator with transistor control
Input Option 0	208 Vac plus or minus 10 percent 3 phase 57 to 63 Hz
Fifty Hz Input	code 005 realignment of 60 Hz standard
Crowbar Code	006 internal overvoltage crowbar
Crowbar Response	conducting SCR across load within 10 us after trip
Range Note	additional output ranges documented for 6466C and 6483C
Output Connection	rear heavy busbars
Remote Programming	external voltage or resistance
Meters	front panel analog voltage and current
Mechanical Package	industrial cabinet SCR-10
Auto Series Parallel	auto-series auto-parallel and auto-tracking
Literature	HP SCR-10 Series Operating and Service Manual output-range pages for 6483C

6483C Specifications

PARAMETER	VALUE
Applications	High-voltage industrial DC, capacitor and insulation test, and CV/CC sourcing to 600 V.
Key Features	Multiple output ranges including 600 V / 15 A
Automatic CV to CC crossover	Remote programming and sensing
Technical Specifications	Model: 6483C

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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PARAMETER	VALUE
Model	6483C
Instrument Type	Constant voltage constant current DC power supply
Series Family	HP SCR-10
Output Range High Voltage	0 to 600 V at 0 to 15 A
Output Range Mid	0 to 500 V at 0 to 20 A
Output Range Low	0 to 440 V at 0 to 25 A
Output Power Class	10 kW
Regulation Architecture	SCR regulator with transistor control
Input Option 001	208 Vac plus or minus 10 percent 3 phase 57 to 63 Hz
Input Option 002	230 Vac plus or minus 10 percent 3 phase 57 to 63 Hz
Input Option 003	460 Vac plus or minus 10 percent 3 phase 57 to 63 Hz
Input Option 031	380 Vac plus or minus 10 percent 3 phase 57 to 63 Hz
Input Option 032	400 Vac plus or minus 10 percent 3 phase 57 to 63 Hz
Fifty Hz Input	code 005 realignment of 60 Hz standard
Crowbar Code	006 internal overvoltage crowbar
Crowbar Response	conducting SCR across load within 10 us after trip
Range Note	additional output ranges documented for 6466C and 6483C
Output Connection	rear heavy busbars
Remote Programming	external voltage or resistance
Meters	front panel analog voltage and current
Mechanical Package	industrial cabinet SCR-10
Auto Series Parallel	auto-series auto-parallel and auto-tracking
Literature	HP SCR-10 Series Operating and Service Manual output-range pages for 6483C
Notes	
From HP SCR-10 manual note on 6466C/6483C extra ranges and published 6483C 440 V/25 A, 500 V/20 A, 600 V/15 A tables. Confirm the range-switch setting on the installed unit.	

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.