

**Aumictech**

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Data Sheet

August 15, 2026

KAISER SYSTEMS

Kaiser Systems S1-1-1000

Kaiser Systems High Voltage Power Supplies. Voltage: 1000 VDC (maximum), Current: 1 A (maximum).



MODEL

Kaiser Systems S1-1-1000

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

S1-1-1000

LISTING

<https://aumictechlabs.com/products/s1-1-1000-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Kaiser Systems S1-1-1000 is a 1 kW high-voltage DC power supply engineered for industrial semiconductor processing and analytical instrumentation. This positive output unit converts 200 VAC input (50/60 Hz) to 1000 VDC at up to 1 A, delivering stable power in demanding process environments. Communication and control interface through a 25-pin D-sub connector enables integration with automated equipment configurations. The S1-1-1000 is documented for use in Applied Materials Endura PVD systems where it supplied shield kit precleaning operations. Technical Specifications Input: 200 VAC, 50/60 Hz Output voltage: 1000 VDC (maximum) Output current: 1 A (maximum) Output power: 1 kW (maximum) Output polarity: Positive Control interface: 25-pin D-sub connector Manufacturer part number: 1100891 Key Features Delivers full 1 kW output at maximum rated voltage and current Fixed positive output polarity for applications requiring DC bias, grounding, or substrate biasing 25-pin D-sub connector provides direct integration pathway with legacy process equipment Designed for continuous operation in high-temperature and particle-intensive semiconductor fab environments Typical Applications Physical

vapor deposition (PVD) chamber biasing and substrate support Pre-cleaning and conditioning stages in semiconductor manufacturing Analytical instrumentation requiring stable, high-voltage DC sources Laboratory and production environments where DC bias voltage control is critical Compatibility & Integration Documented integration history with Applied Materials Endura PVD platforms. The 25-pin D-sub interface supports connection to process control systems and automated chamber architectures typical of thin-film deposition equipment from the Endura generation.

S111000 Characteristics / Specifications

PARAMETER	VALUE
Model	S1-1-1000
Instrument Type	High-voltage DC power supply
Family	Kaiser Systems S1
Output Voltage	1000 V DC
Output Current	1 A
Polarity	positive DC (POS listings)
Output Power	1000 W (1000 V at 1 A)
Input Class	200 VAC 50/60 Hz class process input on public KSI listings
Manufacturer	Kaiser Systems (KSI)
Literature	Kaiser Systems / AMAT S1-1-1000 1000 V 1 A POS DC listings
System Role	process high-voltage DC
Use Case	ion implant and similar HV racks
Form Factor	S1 family rack high-voltage brick
Sibling S120	S1-1-2000 in the same S1 family
Sibling S210	S1-2-1000 in the same S1 family
Sibling Series	Kaiser Series 5000 HV family
Application Class	semiconductor process HV
Control Class	analog program / interlock class HV supply
Cooling Class	rack forced-air class HV brick
Connector Class	HV output plus AC mains and interlock
Documentation Type	KSI S1-1-1000 listing (1000 V 1 A POS)
Brand Lineage	Kaiser Systems / AMAT process power
Year Class	S1-1-1000
Polarity Class	positive DC

S111000 Specifications

PARAMETER	VALUE
Applications	Ion-implant and process high-voltage DC (1000 V, 1 A positive) in Kaiser S1 racks.
Key Features	1000 V, 1 A positive DC high-voltage supply
Kaiser Systems S1 family rack brick	Process 200 VAC 50/60 Hz class input listings
Technical Specifications	Model: S1-1-1000

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	S1-1-1000
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Family	Kaiser Systems S1
Output Voltage	1000 V DC
Output Current	1 A
Polarity	positive DC (POS listings)
Output Power	1000 W (1000 V at 1 A)
Input Class	200 VAC 50/60 Hz class process input on public KSI listings
Manufacturer	Kaiser Systems (KSI)
Literature	Kaiser Systems / AMAT S1-1-1000 1000 V 1 A POS DC listings
System Role	process high-voltage DC
Use Case	ion implant and similar HV racks
Form Factor	S1 family rack high-voltage brick
Sibling S12000	S1-1-2000 in the same S1 family
Sibling S21000	S1-2-1000 in the same S1 family
Sibling Series	Kaiser Series 5000 HV family
Application Class	semiconductor process HV
Control Class	analog program / interlock class HV supply
Cooling Class	rack forced-air class HV brick
Connector Class	HV output plus AC mains and interlock
Documentation Type	KSI S1-1-1000 listing (1000 V 1 A POS)
Brand Lineage	Kaiser Systems / AMAT process power
Year Class	S1-1-1000
Polarity Class	positive DC

Notes

From public Kaiser Systems / AMAT S1-1-1000 listings (1000 V, 1 A, positive DC). Ripple, line/load regulation, and exact AC input current are on the S1-1-1000 nameplate/manual; do not invent them.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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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.