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Data Sheet

August 14, 2026

AMREL

Amrel PPS-1302A

Amrel DC Power Supplies. Voltage: 0–32V (10mV programming resolution), Current: 0–2A (1mA programming resolution), Accuracy: $\pm(0.05\% + 20\text{mV})$.



MODEL

Amrel PPS-1302A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PPS-1302A

LISTING

<https://aumictechlabs.com/products/pps-1302a-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Amrel PPS-1302A is a programmable DC power supply engineered for automated test systems and laboratory environments. This 1/2 rack-mount unit delivers 0–32V and 0–2A with 141W maximum output power, featuring GPIB connectivity for remote instrument control. Voltage and current outputs are independently programmable with fine resolution and exceptional accuracy, supported by tight load and line regulation across both constant-voltage and constant-current modes.

Technical Specifications

DC Output Output voltage: 0–32V (10mV programming resolution) Output current: 0–2A (1mA programming resolution) Maximum output power: 141W

Voltage programming accuracy: $\pm(0.05\% + 20\text{mV})$ Current programming accuracy: $\pm(0.15\% + 3\text{mA})$ Voltage readback accuracy: 0.1% + 20mV Current readback accuracy: 0.2% + 3mA

Regulation and Ripple Load regulation (CV): 0.001% + 1mV Load regulation (CC): 0.01% + 1mA Line regulation (CV): 0.001% + 1mV Line regulation (CC): 0.01% + 1mA Output ripple/noise (CV): 1mVrms / 10mVp-p Output ripple/noise (CC): 10mArms AC Input Selectable 115V or 230V, 50–60Hz Input tolerance: -10% to +6% Input current: 1.32A @ 115V; 0.66A @ 230V Fusing: 2A @ 115V;

1A @ 230V Peak inrush current: 18A Protection Programmable overvoltage protection (200mV resolution) Programmable overcurrent protection Reverse polarity protection Output enable/disable control Environmental Operating temperature: 0–50°C Storage temperature: -20–70°C Humidity: ≤80% RH (non-condensing)Key Features Dual-range AC input selection minimizes power conditioning requirements Fine voltage (10mV) and current (1mA) resolution for precision test applications Exceptional output stability: load and line regulation at 0.001% + 1mV in CV mode Low output ripple (1mVrms CV; 10mArms CC) for sensitive device characterizationTypical Applications Component and module functional testing Burn-in and stress testing Automated bench and production test systems Device characterization and parameter verificationCompatibility & Integration GPIB interface enables integration into automated test environments and remote program control.

PPS1302A Characteristics / Specifications

PARAMETER	VALUE
Channel Count	2
Tracking Mode	channel 2 follows channel 1 when enabled
Interface	GPIB IEEE 488.1
Output Enable	per channel via OUTPUT ON/OFF
Overvoltage Protection	programmable threshold
Overcurrent Protection	yes
Remote Sense	plusSand minusSterminals
Local Sense Default	factory strapped local sense
Operating Temperature	0 to 50 C
Line Selector	115 or 230 (240) Vac rear switch
Line Frequency	50/60 Hz
Display	LCD realtime voltage and current
Programming Commands	VSET ISET OVSET OUT
Status Register	8 bit per channel
Calibration	local or remote software calibration
Analog Programming Family	external 0 to 10 V on single-channel siblings
Rear Terminals	plus minus output sense and earth ground
Form Factor	benchtop programmable DC supply
Warranty Class	three year limited per PPS Series manual
Series Family	AMREL PPS programmable DC
Voltage Programming Family Resolution Class	10 mV class PPS linear series
Current Programming Family Resolution Class	1 mA class on 2 A range models
Source Effect Family	1 mV voltage class PPS tables
Pard Family	1 mVrms / 10 mVp-p class PPS tables

PARAMETER

VALUE

Maximum Channel Voltage Class

30 V class 1302A designation

Maximum Channel Current Class

2 A class 1302A designation

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 50 C
Operating Temperature	0 to 50 C
Line Selector	115 or 230 (240) Vac rear switch
Line Frequency	50/60 Hz
Display	LCD realtime voltage and current
Programming Commands	VSET ISET OVSET OUT
Status Register	8 bit per channel
Calibration	local or remote software calibration
Analog Programming Family	external 0 to 10 V on single-channel siblings
Rear Terminals	plus minus output sense and earth ground
Form Factor	benchtop programmable DC supply
Warranty Class	three year limited per PPS Series manual
Series Family	AMREL PPS programmable DC
Voltage Programming Family Resolution Class	10 mV class PPS linear series
Current Programming Family Resolution Class	1 mA class on 2 A range models
Source Effect Family	1 mV voltage class PPS tables
Pard Family	1 mVrms / 10 mVp-p class PPS tables
Maximum Channel Voltage Class	30 V class 1302A designation
Maximum Channel Current Class	2 A class 1302A designation Notes From AMREL PPS Series / PPS-1322/1302A operation manuals describing dual-channel tracking, GPIB, protection, and environmental limits. Exact per-channel VA and accuracy LSB values should be confirmed on the PPS-1302A faceplate and the model-specific appendix row; do not assume single-channel PPS 30-2.5 numbers without the dual-channel table.

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	
Specifications	
PARAMETER	VALUE
Channel Count	2
Tracking Mode	channel 2 follows channel 1 when enabled
Interface	GPIO IEEE 488.1
Output Enable	per channel via OUTPUT ON/OFF
Overvoltage Protection	programmable threshold
Overcurrent Protection	yes
Remote Sense	plusSand minusSterminals
Local Sense Default	factory strapped local sense
Operating Temperature	0 to 50 C
Line Selector	115 or 230 (240) Vac rear switch
Line Frequency	50/60 Hz
Display	LCD realtime voltage and current
Programming Commands	VSET ISET OVSET OUT
Status Register	8 bit per channel
Calibration	local or remote software calibration
Analog Programming Family	external 0 to 10 V on single-channel siblings
Rear Terminals	plus minus output sense and earth ground
Form Factor	benchtop programmable DC supply
Warranty Class: three year limited per PPS Series manual	
Specifications	
PARAMETER	VALUE
Series Family	AMREL PPS programmable DC
Voltage Programming Family Resolution Class	10 mV class PPS linear series
Current Programming Family Resolution Class	1 mA class on 2 A range models

PARAMETER	VALUE
Source Effect Family	1 mV voltage class PPS tables
Pard Family	1 mVrms / 10 mVp-p class PPS tables
Maximum Channel Voltage Class	30 V class 1302A designation
Maximum Channel Current Class	2 A class 1302A designation

Notes

From AMREL PPS Series / PPS-1322/1302A operation manuals describing dual-channel tracking, GPIB, protection, and environmental limits. Exact per-channel VA and accuracy LSB values should be confirmed on the PPS-1302A faceplate and the model-specific appendix row; do not assume single-channel PPS 30-2.5 numbers without the dual-channel table.

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.