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Data Sheet

August 15, 2026

ADAPTIVE POWER SYSTEMS

Adaptive Power Systems APS3015PG480

Adaptive Power Systems APS3015PG480 15 kVA AC Source Queue model APS3015PG480 is the Adaptive Power Systems APS3015 15 kVA three-phase frequency converter/AC source with 480 V input class (PG480). APS 3000 series catalog: 15 kVA total / 5 kVA per phase, 3-phase 5-wire (L1 L2 L3 N Gnd), 45-500 Hz, dual range 0-150 V L-N / 0-260 V L-L and 0-300 V L-N / 0-520 V L-L, 42 A / 21 A rms per phase, voltage resolution 0.1 V, accuracy plus or minus (1.0 percent + 0.2 V), load regulation plus or minus 0.5 percent, THD 1 percent or less resistive, frequency resolution 0.1 Hz (45-99.9 Hz) and 1 Hz (100-500 Hz), accuracy plus or minus 0.2 percent, crest factor 3:1 or greater, efficiency 85 percent or greater at full load, protection overcurrent/short/overtemp, input 208/220/240 (3W+G) or 380/415/480 (4W+G) plus or minus 10 percent, 47-63 Hz, operate 0-40 C, 80 percent RH, below 6500 ft. Catalog size 38×39×24 in, 362 kg / 798 lb; one brochure row 32×36×24 in, 290 kg / 640 lb. Queue model APS3015PG480 is the Adaptive Power Systems APS3015 15 kVA three-phase frequency converter/AC source with 480 V input class (PG480). APS 3000 series catalog: 15 kVA total / 5 kVA per phase, 3-phase 5-wire (L1 L2 L3 N Gnd), 45-500 Hz, dual range 0-150 V L-N / 0-260 V L-L and 0-300 V L-N / 0-520 V L-L, 42 A / 21 A rms per phase, voltage resolution 0.1 V, accuracy plus or minus (1.0 percent + 0.2 V), load regulat



MODEL

**Adaptive Power Systems
APS3015PG480**

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

APS3015PG480

LISTING

<https://aumictechlabs.com/products/aps3015pg480-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Adaptive Power Systems APS3015PG480 is a three-phase AC power source and frequency converter engineered to replicate utility grids across a wide range of voltages and frequencies. This 15 kVA unit delivers 5 kVA per phase and operates from 45 Hz to 500 Hz, making it suitable for international product testing, imported equipment operation, and specialized applications including military and avionics equipment requiring 400 Hz operation.

Technical Specifications
Power Output: 15 kVA total; 5 kVA per phase. Output Voltage (Line-to-Neutral): 0–150 V (low range); 0–300 V (high range); optional 300 V/600 V L-N ranges available. Output Voltage (Line-to-Line): Up to 260 V (low range); up to 520 V (high range). Frequency Range: 45 Hz to 500 Hz with 0.1 Hz resolution (45–99.9 Hz) and 1 Hz resolution (100–500 Hz); $\pm 0.2\%$ accuracy. Input Requirements: 208, 220, 240, 380, 415, or 480 VAC $\pm 10\%$, three-phase, 47–63 Hz. Performance: Output voltage distortion $< 1\%$ THD (resistive load); crest factor $\geq 3:1$; load regulation $\pm 0.5\%$; efficiency $\geq 85\%$ at full load. Protection: Over-current, short-circuit, and over-temperature protection.

Key Features
Programmable voltage, frequency, and current limit settings via intuitive front panel controls
Digital LED displays for frequency, voltage, current, power, and power factor per phase
Three standard programmable memory locations; optional expansion to eight memories with five programmable steps each
Auto Voltage Adjust feature for ± 0.1 V regulation
Optional GPIB or RS232 interfaces for remote control and expanded memory
PLC remote interface supporting Run Programs P1, P2, P3, and Output On/Off command

Physical Specifications
Dimensions: Approximately 33 in. H $\times$ 39 in. D $\times$ 24 in. W (839 mm $\times$ 980 mm $\times$ 600 mm). Weight: Approximately 798 lbs (362 kg).

Typical Applications
International product compliance testing, operation of imported equipment, military and avionics testing at 400 Hz, and grid simulation across variable voltage and frequency conditions.

Compatibility & Integration
Supports GPIB and RS232 connectivity for automated test systems and PLC integration for multi-program sequencing.

APS3015PG480 Characteristics / Specifications

PARAMETER	VALUE
Model	APS3015PG480
Instrument Type	Three-phase AC power source / frequency converter
Family	Adaptive Power Systems APS 3000 series
Power Total	15 kVA
Power Per Phase	5 kVA
Output Form	3-phase 5-wire L1 L2 L3 N Gnd
Frequency Range	45 to 500 Hz
Voltage Low	0-150 V L-N / 0-260 V L-L
Voltage High	0-300 V L-N / 0-520 V L-L
Current Low Range	42 A rms per phase at 0-150 V
Current High Range	21 A rms per phase at 0-300 V
Voltage Resolution	0.1 V
Voltage Accuracy	plus or minus (1.0 percent + 0.2 V)
Load Regulation	plus or minus 0.5 percent
Thd	1 percent or less (resistive load)
Freq Resolution Low	0.1 Hz at 45-99.9 Hz
Freq Resolution High	1 Hz at 100-500 Hz
Freq Accuracy	plus or minus 0.2 percent
Crest Factor	3 to 1 or greater
Efficiency	85 percent or greater at full load
Protection	overcurrent, short circuit, overtemperature
Input Voltage	208/220/240 (3W+G) or 380/415/480 (4W+G) plus or minus 10 percent; PG480 is 480 V class
Input Frequency	47 to 63 Hz
Operating Temperature	0 C to 40 C (32 to 104 F)
Humidity Altitude	80 percent RH, below 6500 ft

PARAMETER	VALUE
Catalog Size	38 × 39 × 24 in (362 kg / 798 lb catalog row)
Memory	three programmable voltage/frequency/current locations
Meters	LED frequency, voltage, current, power, power factor
Manufacturer	Adaptive Power Systems
Literature	APS 3000 series catalog APS3015 row; PG480 480 V input configuration
Humidity	Altitude: 80 percent RH, below 6500 ft

General Specifications & Supplementary Characteristics

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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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Notes

From Adaptive Power APS 3000 series APS3015 tables. PG480 is the 480 V input configuration; 600 V range pair is a separate catalog adder and is not copied here.

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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<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.