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Data Sheet

August 13, 2026

KGS ELECTRONICS

KGS Electronics SPC-6-750

Applications Avionics bench 400 Hz for radar, compass, gyro, HSI Flight-simulator 400 Hz add-on Single-phase 115/26 Vac 400 Hz instrument power Key Features Solid-state 50/60 Hz to 400 Hz Dual 115 V and 26 V outputs, 750 VA total Sine, typically 2 percent amplitude distortion 19 inch rack 17 × 13 × 7 in, 32 lb class Technical Specifications Model: SPC-6-750 Manufacturer: KGS Electronics Instrument Type: Solid state frequency changer Series: SPC6-750x Alias: SPC6-750; SPC-6-750; SPC6750 Input Voltage: 115 Vac plus/minus 15 Vac Input Frequency: 50/60 Hz Input Phase: single Input Overvoltage Shutoff: above 135 Vac Input Breaker: 15 A, also power on off Output Voltage 115: 115 Vac, 100 to 125 Vac adjustable Output Voltage 26: 26 Vac, 22.6 to 28.



MODEL

**KGS Electronics
SPC-6-750**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

SPC-6-750

LISTING

<https://aumictechlabs.com/products/spc-6-750-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The KGS Electronics SPC-6-750 is a solid-state frequency changer that converts standard AC input power into a stable 400 Hz sine wave output. Single-phase design with dual output voltage capability (115 VAC and 26 VAC) delivers up to 750 VA total power, making it ideal for avionic test benches, radar systems, compass calibration, and flight simulator power supplies. Built-in protection includes input overvoltage shutdown (>135 VAC), 15 A circuit breaker, output frequency monitoring, and audible overload warning. Technical Specifications Input Voltage: 115 VAC ± 15

VAC Frequency: 50/60 Hz Phase: Single Protection: Overvoltage shutdown above 135 VAC; 15 A circuit breaker (power on/off switch) Output Voltage: 115 VAC (100–125 VAC adjustable) or 26 VAC (22.6–28.2 VAC adjustable) Power: 750 VA at 115 VAC; 500 VA at 26 VAC; 750 VA total Frequency: 400 Hz (380–420 Hz adjustable) Waveform: Sine wave Amplitude Distortion: 2% typical Power Factor: 0.8–0.95 Environmental & Physical Operating Temperature: –40°C to +71°C Dimensions: 17" W × 13" D × 7" H (19" relay rack compatible) Weight: 32 lbs Cooling: Internal thermostatically controlled fan Key Features Dual-output configuration supports both 115 VAC and 26 VAC loads simultaneously 400 Hz sine wave output with ± 20 Hz adjustment range maintains precision for frequency-sensitive equipment Overload capability: delivers 150% rated current for minimum 5 minutes Short-circuit withstand: maintains operation for minimum 1 minute under fault conditions Automatic shutdown when output frequency falls below 375 Hz or exceeds 425 Hz, or when output voltage exceeds 130 VAC Audible warning triggers at 130% rated load Low amplitude distortion (2% typical) ensures clean power delivery Typical Applications Avionic test benches requiring 400 Hz power standards Radar system power conditioning Compass calibration equipment Flight simulator power supplies Military and aerospace ground support equipment Compatibility & Integration Front panel: 5-way binding posts Rear panel: 6-32 terminal block connections Single-phase input and output architecture simplifies integration into existing lab and test environments

SPC6750 Characteristics / Specifications

PARAMETER	VALUE
Model	SPC-6-750
Manufacturer	KGS Electronics
Instrument Type	Solid state frequency changer
Series	SPC6-750x
Alias	SPC6-750; SPC-6-750; SPC6750
Input Voltage	115 Vac plus/minus 15 Vac
Input Frequency	50/60 Hz
Input Phase	single
Input Overvoltage Shutoff	above 135 Vac
Input Breaker	15 A, also power on off
Output Voltage 1	115 Vac, 100 to 125 Vac adjustable
Output Voltage	26 Vac, 22.6 to 28.2 Vac adjustable
Output Power 1	750 VA
Output Power	500 VA
Output Power Total	750 VA
Output Frequency	400 Hz, 380 to 420 Hz adjustable
Output Phase	single
Waveform	sine
Amplitude Distortion	2 percent typical
Power Factor	0.8 to minus 0.95
Overload Current	150 percent for at least 5 minutes
Short Circuit Withstand	1 minute minimum
Underfrequency Shutoff	below 375 Hz
Overfrequency Shutoff	above 425 Hz
Overvoltage Shutoff	above 130 Vac

PARAMETER	VALUE
Audible Warning	above 130 percent load
Temperature	minus 40 C to +71 C
Weight	32 lb
Size	17 inWx 13 inDx 7 inHfor 19 inch rack
Cooling	internal fan thermostatically controlled
Front Connections	5 way binding posts
Rear Connections	6-32 terminal block
Sibling 230 V	SPC6-750A-230 and SPC6-750C for 230 Vac 50 Hz
Documented Revision	SPC-6-750A publishes this table
Form	rack frequency changer Notes Specs from KGS SPC6-750A published table applied to the SPC-6-750 family. Confirm 750 versus 750A faceplate, 115 versus 230 V input, and whether frequency adjust is front or rear.

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
Model	SPC-6-750
Manufacturer	KGS Electronics
Instrument Type	Solid state frequency changer
Specifications	
PARAMETER	VALUE
Series	SPC6-750x
Alias	SPC6-750; SPC-6-750; SPC6750
Input Voltage	115 Vac plus/minus 15 Vac
Specifications	
PARAMETER	VALUE
Input Frequency	50/60 Hz
Input Phase	single
Input Overvoltage Shutoff	above 135 Vac
Specifications	
PARAMETER	VALUE
Input Breaker	15 A, also power on off
Output Voltage 115	115 Vac, 100 to 125 Vac adjustable
Output Voltage 26	26 Vac, 22.6 to 28.2 Vac adjustable
Specifications	
PARAMETER	VALUE
Output Power 115	750 VA
Output Power 26	500 VA
Output Power Total	750 VA

Specifications

PARAMETER	VALUE
Output Frequency	400 Hz, 380 to 420 Hz adjustable
Output Phase	single
Waveform	sine

Specifications

PARAMETER	VALUE
Amplitude Distortion	2 percent typical
Power Factor	0.8 to minus 0.95
Overload Current	150 percent for at least 5 minutes

Specifications

PARAMETER	VALUE
Short Circuit Withstand	1 minute minimum
Underfrequency Shutoff	below 375 Hz
Overfrequency Shutoff	above 425 Hz

Specifications

PARAMETER	VALUE
Overvoltage Shutoff	above 130 Vac
Audible Warning	above 130 percent load
Temperature	minus 40 C to +71 C

Specifications

PARAMETER	VALUE
Weight	32 lb
Size	17 inWx 13 inDx 7 inHfor 19 inch rack
Cooling	internal fan thermostatically controlled

Specifications

PARAMETER	VALUE
Front Connections	5 way binding posts
Rear Connections	6-32 terminal block
Sibling 230 V	SPC6-750A-230 and SPC6-750C for 230 Vac 50 Hz

Documented Revision: SPC-6-750A publishes this table

Form: rack frequency changer

Notes

Specs from KGS SPC6-750A published table applied to the SPC-6-750 family. Confirm 750 versus 750A faceplate, 115 versus 230 V input, and whether frequency adjust is front or rear.

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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.