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Data Sheet

August 13, 2026

KGS ELECTRONICS

KGS Electronics SPC-6-750A Frequency Changer

Applications 400 Hz avionics instrument power 115 V and 26 V aircraft-bus simulation Flight-simulator 400 Hz Key Features 750 VA total; 115 V and 26 V rails AdjustableVandffrom the panel 150 percent overload 5 min; 1 min short Fan cooled minus 40 C to +71 C Technical Specifications Model: SPC-6-750A Manufacturer: KGS Electronics Instrument Type: Solid state frequency changer Series: SPC6-750x Alias: SPC6-750A; SPC-6-750A; SPC6750A 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-6-750A****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****SPC-6-750A****LISTING**<https://aumictechlabs.com/products/spc-6-750a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The KGS Electronics SPC-6-750A is a solid-state frequency changer that converts single-phase 50/60 Hz input power to 400 Hz output power, delivering stable precision frequency conversion for avionics and marine equipment. This FAA-certified unit accepts 115 VAC $\pm$ 15 VAC input and produces dual output rails: 115 VAC at 750 VA and 26 VAC at 500 VA, both as clean sine waves. Built-in protection includes input overvoltage shutdown above 135 VAC, 15 AMP circuit breaker overcurrent protection, and internal safeguards against overload, voltage transients, and short circuits. Technical Specifications Input: 115 VAC $\pm$ 15 VAC, single-phase, 50/60 Hz Output: 115 VAC

(750 VA) and 26 VAC (500 VA), 400 Hz sine wave Output Waveform: Sine wave Overvoltage Threshold: Shutdown above 135 VAC Overcurrent Protection: 15 AMP circuit breaker Operating Temperature: -40°C to +71°C Altitude Rating: 55,000 ft Cooling: Thermostatically controlled brushless fan Mounting: 19" rack-mountable aluminum chassis Connections: Front and rear binding posts for output Certification: FAA Key Features Dual output voltage rails meet single and dual-voltage equipment requirements Built-in overload and overcurrent protection with automatic shutdown logic Wide operating temperature range suitable for extreme environments High-altitude rated design for aerospace applications Sine wave output ensures compatibility with frequency-sensitive instrumentation Typical Applications Aircraft avionics test benches Marine navigation systems Airborne radar and compass systems Gyroscopic and HSI equipment Synchro-based navigation instruments Compatibility & Integration The SPC-6-750A supplies 400 Hz power to equipment designed for aviation and marine frequencies. Dual output rails accommodate instruments requiring either 115 VAC or 26 VAC, including radars, compasses, gyros, HSI units, synchro systems, and general navigation equipment. Standard 19" rack mounting and rear terminal blocks enable straightforward bench integration.

SPC6750A Characteristics / Specifications

PARAMETER	VALUE
Model	SPC-6-750A
Manufacturer	KGS Electronics
Instrument Type	Solid state frequency changer
Series	SPC6-750x
Alias	SPC6-750A; SPC-6-750A; SPC6750A
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
Frequency Adjust Location	front panel standard; some units rear knob
Sibling 230 V	SPC6-750A-230
Sibling C	SPC6-750C 230 Vac 50 Hz
Compared 3 ph	SPC-6-1000-3PH 1000 VA three phase
Form	19 inch rack frequency changer Notes Specs from KGS Electronics SPC6-750A published specification table. Confirm 115 versus 230 V input and front versus rear frequency adjust.

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-6-750A
Manufacturer	KGS Electronics
Instrument Type	Solid state frequency changer
Specifications	
PARAMETER	VALUE
Series	SPC6-750x
Alias	SPC6-750A; SPC-6-750A; SPC6750A
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
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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
Frequency Adjust Location	front panel standard; some units rear knob

Specifications

PARAMETER	VALUE
Sibling 230 V	SPC6-750A-230
Sibling C	SPC6-750C 230 Vac 50 Hz
Compared 3 ph	SPC-6-1000-3PH 1000 VA three phase

Form: 19 inch rack frequency changer

Notes

Specs from KGS Electronics SPC6-750A published specification table. Confirm 115 versus 230 V input and front versus rear frequency adjust.

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.