

Product data sheet

Specifications



G5K 80 KVA 480V UPS with Stand Alone Batt UL924 BACKUP 90 Min

SUG580S90UL

⚠ Discontinued on: Jul 5, 2021

⚠ To be end-of-service on: Dec 31, 2030

⚠ Discontinued - Service only

Overview

Presentation	UPS and three UL 924 listed matching battery cubicles with a minimum of 90 minutes battery operation.
Lead Time	Usually Ships within 2 Weeks

Main

Main Input Voltage	480 V 3 phases 600 V 3 phases
Main Output Voltage	480 V 3 phases 600 V 3 phases
Rated Power In W	72000 W
Rated Power In Va	80000 VA
Output Connector Type	Hard wire 4-wire (3P + E) 1
Battery Type	External battery system
Provided Equipment	Installation guide

Batteries & Runtime

Number Of Battery Filled Slots	0
Number Of Battery Free Slots	0
Battery Power In Vah	0 VAh runtime
Extended Runtime	0

General

Product Web Sub-Family	UL 924 approved UPS systems with batteries
Number Of Power Module Free Slots	0
Number Of Power Module Filled Slots	0
Redundant	No

Physical

Height	190.5 cm
Width	441.5 cm
Depth	81.3 cm
Net Weight	6792.73 kg

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Mounting Mode	Not rack-mountable
Two Post Mountable	0
Usb Compatible	No

Input

Network Frequency	45...65 Hz
Number Of Input Connectors	1 hard wire 4-wire (3P + E)
Input Voltage Limits	408...552 V 480 V
Maximum Input Current	154 A
Switching Current Capacity	250 A
Max Short Time Withstand Current	20 kA
Input Harmonic Distortion	Less than 3 % for full load
Input Protection Type	3-pole circuit breaker
Inrush Current	200 A peak
Load Power Factor	0.9
Input Power Factor At Full Load	1

Output

Maximum Configurable Power In W	72000 W
Harmonic Distortion	Less than 2 %
Output Frequency	60 Hz sync to mains 60 Hz +/- 0.1 % for 60 Hz nominal unsynchronised
Crest Factor	3 : 1
Wave Type	Sine wave
Output Voltage Tolerance	+/- 1% static and +/- 2 % at 100% load step
Output Harmonic Distortion	< 1% linear load and < 2.5% non-linear load
Output Overload Operation	10 minutes at 125% and 30 seconds at 150%
Bypass Type	Internal bypass (automatic and manual) Optional external bypass
Efficiency	92.8 % (full load) 90 % (half load)
Maximum Configurable Power In Va	80000 VA

Conformance

Product Certifications	UL 1778 UL 924 Listed
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Environmental

Ambient Air Temperature For Operation	0...40 °C
Relative Humidity	0...95 %
Operating Altitude	0...3333 ft
Ambient Air Temperature For Storage	-20...45 °C
Storage Relative Humidity	0...95 %

Storage Altitude	0.00...12192.00 m
Acoustic Level	63 dBA
Heat Dissipation	19791 Btu/h
Ip Degree Of Protection	IP20

Communications & Management

Free Slots	3
Control Panel	Multifunction LCD status and control console
Emergency Power Off	Optional

Packing Units

Package 1 Weight	6797.27 kg
Package 1 Height	193 cm
Package 1 Width	466 cm
Package 1 Length	83.8 cm

Contractual warranty

Warranty	1 year on-site repair or replace with factory authorized Start-Up
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Sustainability

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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Eu Rohs Directive

Compliant

[EU RoHS Declaration](#)

California Proposition 65

WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov