

Product data sheet

Specifications



G5K 100 KVA 480V UPS with SA Batt UL924 BACKUP 90 Min

SUG5100S90UL

⚠ Discontinued on: Jul 5, 2021

⚠ End-of-service on: Oct 18, 2023

⚠ Discontinued

Overview

Presentation	UPS and four 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
Other Output Voltage	600 V
Rated power in W	90000 W
Rated power in VA	100000 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
Bypass wiring configuration	4 wire (3P + N) 5 wire (3P + N + E)
Number of power module free slots	0
Number of power module filled slots	0
Redundant	No

Physical

Height	190.5 cm
Width	564.6 cm

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

Depth	81.3 cm
net weight	8883.64 kg
mounting mode	Not rack-mountable
Two post mountable	0
USB compatible	No

Input

Network frequency	45...65 Hz 60 Hz programmable +/- 0.5 / 1 / 2 / 4 / 6 / 8 %
Number of input connectors	1 hard wire 4-wire (3P + E)
Input voltage limits	408...552 V adjustable 480 V 408...552 V 480 V
Maximum input current	190 A
Switching current capacity	250 A
Max short time withstand current	30 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	90000 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 60 seconds at 150%
Required output current protection	144 A
Bypass type	Internal bypass (automatic and manual) Optional external bypass
Efficiency	92.9 % (full load) 91.6 % (half load)
Maximum output current	190 A
Maximum configurable power in VA	100000 VA

Conformance

Product certifications	UL 1778 UL 924 Listed
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Environmental

Ambient air temperature for operation	0...40 °C
Relative humidity	5...90 %
Operating altitude	0...3333 ft
Ambient air temperature for storage	-20...45 °C
Storage Relative Humidity	0...95 %
Storage altitude	0.0000000000...9144.0000000000 m
Acoustic level	63 dBA
heat dissipation	23886 Btu/h
IP degree of protection	IP20

Communications & Management

Free slots	3
control panel	Multifunction LCD status and control console
Emergency power off	Yes

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Contractual warranty

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