

# Product data sheet

Specifications



## G5k 40 kVA UPS 480V ADJ BATT UL924 BACKUP 90 MIN

SUG540A90UL

⚠ Discontinued on: Jul 5, 2021

⚠ End-of-service on: Oct 18, 2023

⚠ Discontinued

### Overview

Presentation	UPS and two 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
Other Input Voltage	600 V
Main Output Voltage	480 V 3 phases 600 V 3 phases
Rated power in W	36000 W
Rated power in VA	40000 VA
Output connector type	Hard wire 4-wire (3P + E) 1
Battery type	VRLA
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	239.5 cm
Depth	81.3 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

Net weight	1872.73 kg
Mounting mode	Not rack-mountable
Two post mountable	0
USB compatible	No

## Input

Network frequency	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	77 A
Switching current capacity	125 A
Max short time withstand current	20 kA
Input harmonic distortion	Less than 5 % 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	36000 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%
Bypass type	Internal bypass (automatic and manual) Optional external bypass
Efficiency	90.2 % (half load) 93.2 % (full load)
Maximum output current	190 A
Maximum configurable power in VA	40000 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	5...90 %
Storage altitude	0...9144 m
Acoustic level	66 dBA
Heat dissipation	11602 Btu/h

## Communications & Management

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

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	193 cm
Package 1 Width	83.8 cm
Package 1 Length	248.9 cm
Package 1 Weight	1904.55 kg

## Contractual warranty


Warranty	1 year on-site repair or replace with factory authorized Start-Up
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Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better

 Materials and Substances	
EU RoHS Directive	Under investigation
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>