

# Product data sheet

Specifications



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

SUG540A90UL

⚠ Discontinued on: Jul 5, 2021

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

⚠ Discontinued - Service only

### 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<br>600 V 3 phases |
| Other Input Voltage   | 600 V                            |
| Main Output Voltage   | 480 V 3 phases<br>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<br>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<br>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)<br>Optional external bypass      |
| Efficiency                       | 90.2 % (half load)<br>93.2 % (full load)                                |
| Maximum Output Current           | 190 A   |
| Maximum Configurable Power In Va | 40000 VA  |

## Conformance

|                        |                          |
|------------------------|--------------------------|
| Product Certifications | UL 1778<br>UL 924 Listed |
|------------------------|--------------------------|

## 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                    | 0.00...9144.00 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

|                  |            |
|------------------|------------|
| Package 1 Weight | 1904.55 kg |
| Package 1 Height | 193 cm     |
| Package 1 Width  | 248.9 cm   |
| Package 1 Length | 83.8 cm    |

## Contractual warranty

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

## Sustainability

**Green Premium™** label is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. **Green Premium** promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low- products.

**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         | 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> |