



## Commercial status

Discontinued on: 03 December 2020

! To be 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

## General

Provided equipment	Installation guide
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
UPS size	WS

## Physical

Depth	81.3 cm
Height	190.5 cm
Mounting preference	No preference
Net weight	8883.64 kg
Mounting mode	Not rack-mountable
Two post mountable	0
USB compatible	No
Width	564.6 cm

## 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
Input voltage	480 V 3 phases 600 V 3 phases
Inrush current	200 A peak
Load power factor	0.9
Cos phi	1

## Output

Rated power in W	90000 W
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
Outputvolt_other	600 V
Crest factor	3 : 1
UPS type	Double conversion online
Wave type	Sine wave
Output connector type	Hard wire 4-wire (3P + E) 1
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
Curve equation	Efficiency
Curve load maximum	100 %
Curve X-axis maximum	100 %
Curve X-axis minimum	0 %
Curve X-axis title	Load
Curve X-axis units	Percentage
Curve Y-axis maximum	100 %
Curve Y-axis minimum	50 %
Curve Y-axis title	Efficiency
Curve Y-axis units	Percentage
Efficiency	92.9 % (full load) 91.6 % (half load)
Graph display	0
Maximum output current	190 A
Output voltage	480 V 3 phases 600 V 3 phases
Maximum configurable power in VA	100000 VA
Rated 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 altitude	0.00...9144.00 m
Acoustic level	63 dBA
Heat dissipation	23886 Btu/h
Show note OP temperature	No
IP degree of protection	IP20

### Batteries & Runtime

Battery type	External battery system
Number of battery filled slots	0
Number of battery free slots	0
Liquid value	0
Battery curve	B
Battery power in VAH	0 VAh runtime
Extended runtime	0

### Communications & Management

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

### Packing Units

Package 1 Weight	8929.09 kg
Package 1 Height	193 cm
Package 1 width	568.8 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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SUG5100S90UL is replaced by the following product range:



#### Galaxy VS Accessories

Highly efficient 20 to 150 kW (480 V), 10 to 150 kW (400 V), and 10 to 75 kW (208 V) 3-phase UPS for edge, small, and medium data centers and other business-critical applications.

Increased availability. Reduced operating costs. First class power protection for critical infrastructure.

Reason for Substitution: End of life | Substitution date: 14 December 2020