

# Product data sheet

Specifications



## Galaxy VS UPS 50kW 480V for External Batteries, Start-up 5x8

GVSUPS50KGS

### Overview

#### Presentation

Highly efficient, easy-to-deploy 50kW, 480V 3-phase uninterruptible power supply (UPS) that brings best-in-class power protection to edge, small and medium data centers, as well as to critical infrastructure in commercial and industrial applications. Compact design, high-density technology and modular architecture keep total cost of ownership low and operational efficiency at the highest levels. Galaxy VS reduces your energy losses by up to 66% with the patented EConversion mode – reaching up to 99% efficiency levels and delivering more energy savings than even our industry-leading 97% efficiency in normal operating mode. The UPS is EcoStruxure-ready to give you peace of mind with cloud-based remote monitoring and management via your smartphone. Includes 5x8 start-up service. For battery runtime details, see the runtime charts published under the Documents tab.

#### Lead time

Usually Ships within 2 Weeks

### Main

#### Main Input Voltage

480 V 3 phase

#### Main Output Voltage

480 V 3 phase

#### Kw Rating

50 kW

#### Rated power in VA

50 kVA

#### Output connector type

Hard Wire 4-wire (3PH + G) 1  
Hard Wire 5-wire (3PH + N + G) 1

#### Battery type

External battery system  
Li-Ion (Lithium Ion)  
VRLA

#### Provided equipment

Dust filter  
Installation guide  
Integrated network management  
Power modules ship installed  
Start-Up Service  
Top and bottom cable entry

### Batteries & Runtime

#### Included Battery Modules

0

#### Battery Slots Empty

0

#### Battery voltage

480-576VDC

#### End of Discharge Battery Voltage

384 V DC

#### End of Discharge Maximum Battery Current

135 A

#### Battery power in VAH

0 VAh runtime

#### Extendable Run Time

0

## General

Bypass Voltage Tolerance	+/- 10 %
Max Bypass Input Current	76 A
Redundant	No

## Physical

Color	White
Height	58.46 in (148.5 cm)
Width	20.51 in (52.1 cm)
Depth	33.35 in (84.7 cm)
Net Weight	454.15 lb(US) (206 kg)
USB compatible	No

## Input

Input Frequency	40 - 70 Hz
Number of input connectors	1 Hard Wire 4-wire (3PH + G)
Efficiency at full load	408...552 V 480 V
Maximum Input Current per Phase	77 A
Maximum Short Circuit Withstand (Icw)	65 kA
Input Total Harmonic Distortion	Less than 3% for full load
Load power factor	From 0.7 leading to 0.7 lagging without any derating
Input Power Factor at Full Load	0.99

## Output

Max Configurable Power (Watts)	50 kW
Harmonic distortion	Less than 3%
Output Frequency (sync to mains)	50 Hz sync to mains 60 Hz sync to mains 60 Hz +/- 0.1 % for 60 Hz nominal not synced 50 Hz +/- 0.1 % for 50 Hz nominal not synced
Crest factor	2.5
Waveform Type	Sine wave
Output voltage tolerance	+/-1% after 50ms
Output Voltage THD	< 1% linear load and < 3% non-linear load
Overload Operation	10 minutes @ 125% and 60 seconds @ 150%
Bypass type	Built-in Static Bypass
Maximum configurable power in VA	50 kVA

## Conformance

Product Certifications	ENERGY STAR V2.0 (USA)
Standards	CSA C22.2 No 107.3 FCC Part 15 class A IEC 62040-3 IEC 60721-4-2 Level 2M2 UL 1778 5th edition

## Environmental

Ambient air temperature for operation	32...104 °F (0...40 °C)
Relative Humidity	0...95 % non-condensing
Operating altitude	0...3281 ft
Ambient Air Temperature for Storage	-13...131 °F (-25...55 °C)
Storage Relative Humidity	10...80 % non-condensing
Storage altitude	0...50000 ft (0.00...15240.00 m)
Acoustic level	61 dBA
Heat dissipation	4915.1 Btu/h
IP degree of protection	IP21

## Communications & Management

Free slots	1
Control panel	Touch Screen LCD User Interface


## Ordering and shipping details

GTIN	731304641865
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## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	66.14 in (168 cm)
Package 1 Width	38.98 in (99 cm)
Package 1 Length	25.20 in (64 cm)
Package 1 Weight	518.09 lb(US) (235 kg)

## Offer Sustainability

Sustainable offer status	Green Premium product
ENERGY STAR®	<a href="#">ENERGY STAR UPS V2.0 (USA)</a> 
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a>
RoHS exemption information	Yes
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
Optimized Energy Efficiency	Energy efficient product
Take-back	Take-back program available

## Contractual warranty

Warranty	1 year on-site repair or replace with factory authorized Start-Up
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**Recommended replacement(s)**