

# Product data sheet

Specifications



## Galaxy VS UPS 20kW 400V for External Batteries, Start-up 5x8

GVSUPS20KHS

### Overview

#### Presentation

Highly efficient, easy-to-deploy 20kW, 400V 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	400 V 3 phase
Other Input Voltage	380 V 415 V
Main Output Voltage	400 V 3 phase
Other Output Voltage	380 V 415 V
Rated power in W	20 kW
Rated power in VA	20 kVA
Output connector type	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	384-576VDC
End of Discharge Battery Voltage	307 V DC
End of Discharge Maximum Battery Current	68 A
Battery power in VAh	0 VAh runtime

Extendable Run Time	0
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## General

Bypass Voltage Tolerance	+/- 10 %
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Max Bypass Input Current	32 A
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Redundant	No
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## Physical

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

Input Frequency	40 - 70 Hz
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Number of input connectors	1 Hard Wire 4-wire (3PH + G) 1 Hard Wire 5-wire (3PH + N + G)
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Efficiency at full load	340...460 V 400 V
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Maximum Input Current per Phase	37 A
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Maximum Short Circuit Withstand (Icw)	65 kA
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Input Total Harmonic Distortion	Less than 3% for full load
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Load power factor	From 0.7 leading to 0.7 lagging without any derating
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Input Power Factor at Full Load	0.99
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## Output

Max Configurable Power (Watts)	20 kW
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Harmonic distortion	Less than 3%
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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
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Crest factor	2.5
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Waveform Type	Sine wave
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Output voltage tolerance	+/-1% after 50ms
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Output Voltage THD	< 1% linear load and < 3% non-linear load
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Overload Operation	10 minutes @ 125% and 60 seconds @ 150%
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Bypass type	Built-in Static Bypass
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Maximum configurable power in VA	20 kVA
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## Conformance

Standards	CSA C22.2 No 107.3 EN/IEC 62040-1 EN/IEC 62040-2 EN/IEC 62040-3 FCC Part 15 class A IEC 60721-4-2 Level 2M2
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## 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	65 dBA
Online Thermal Dissipation	2187.8 Btu/h
IP degree of protection	IP21

## Communications & Management

Free slots	1
Control panel	Touch Screen LCD User Interface

## Ordering and shipping details

GTIN	731304342670
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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

REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Under investigation
China RoHS Regulation	<a href="#">China RoHS declaration</a>
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)