

# Product data sheet

Specifications



## Galaxy VS UPS 20kW 400V for external batteries, halogen-free cables, marine certified, Start-up 5x8

GVSUPS20KMHS

### Overview

<b>Presentation</b>	Highly efficient, easy-to-deploy 20kW, 400V 3-phase UPS that brings best-in-class power protection and low total cost of ownership to edge, small and medium data centers, as well as to critical infrastructure in commercial and industrial applications. Includes 5x8 start-up service and halogen-free cables. Marine certified.
<b>Lead time</b>	Usually Ships within 2 Weeks

### Main

<b>Main Input Voltage</b>	400 V 3 phase
<b>Other Input Voltage</b>	380 V 415 V
<b>Main Output Voltage</b>	400 V 3 phase
<b>Kw Rating</b>	20 kW
<b>Rated power in VA</b>	20 kVA
<b>Battery type</b>	External battery system Li-Ion (Lithium Ion) VRLA
<b>Provided equipment</b>	Dust filter EcoStruxure IT ready (UPS) Installation guide Integrated network management Power modules ship installed Start-Up Service

### Batteries & Runtime

<b>Battery voltage</b>	480-576VDC
<b>End of Discharge Battery Voltage</b>	307 V DC
<b>End of Discharge Maximum Battery Current</b>	68 A
<b>Battery power in VAH</b>	0 VAh runtime
<b>Extendable Run Time</b>	0

### General

<b>Bypass Voltage Tolerance</b>	+/- 10 %
<b>Redundant</b>	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
Efficiency at full load	340...460 V 400 V
Maximum Input Current per Phase	30 A
Maximum Short Circuit Withstand (Icw)	65 kA
Input Total Harmonic Distortion	Less than 5% for full load
Load power factor	From 0.7 leading to 0.7 lagging without any derating

## Output

Max Configurable Power (Watts)	20 kW
Output Frequency (sync to mains)	50 Hz sync to mains 60 Hz sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal not synced 60 Hz +/- 0.1 % for 60 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 < 5% non-linear load
Overload Operation	10 minutes @ 125% and 60 seconds @ 150%
Bypass type	Built-in Static Bypass
Maximum configurable power in VA	20 kVA

## Conformance

Standards	EN/IEC 62040-1 EN/IEC 62040-2 FCC Part 15 class A IEC 60721-4-2 Level 2M2 UL 1778 5th edition
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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...3300 ft
Ambient Air Temperature for Storage	-13...131 °F (-25...55 °C)
Storage Relative Humidity	10...80 % non-condensing
Acoustic level	68 dBA

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Heat dissipation	2170 Btu/h
IP degree of protection	IP21

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## Communications & Management

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Control panel	Touch Screen LCD User Interface
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## Ordering and shipping details

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GTIN	731304418337
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## Packing Units

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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	551.16 lb(US) (250 kg)

## Offer Sustainability

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REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a>
RoHS exemption information	Yes

## Contractual warranty

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