

# 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

### General

<b>Bypass Voltage Tolerance</b>	+/- 10 %
<b>Redundant</b>	No

### Physical

<b>Color</b>	White
<b>Height</b>	58.46 in (148.5 cm)
<b>Width</b>	20.51 in (52.1 cm)
<b>Depth</b>	33.35 in (84.7 cm)
<b>Net Weight</b>	454.15 lb(US) (206 kg)
<b>USB compatible</b>	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 (I <sub>cw</sub> )	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	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
Heat dissipation	2170 Btu/h
IP degree of protection	IP21

## Batteries & Runtime

Battery Voltage	480-576VDC
End of Discharge Battery Voltage	307 V DC
End of Discharge Maximum Battery Current	68 A

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<b>Battery power in VAH</b>	0 VAh runtime
<b>Extendable Run Time</b>	0

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## Communications & Management

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<b>Control panel</b>	Touch Screen LCD User Interface
<b>Audible Alarm</b>	Audible and visible alarms prioritized by severity

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## Ordering and shipping details

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<b>GTIN</b>	731304418337
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## Packing Units

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<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	66.14 in (168 cm)
<b>Package 1 Width</b>	38.98 in (99 cm)
<b>Package 1 Length</b>	25.20 in (64 cm)
<b>Package 1 Weight</b>	551.16 lb(US) (250 kg)

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## Contractual warranty

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