

# Product data sheet

Specifications



## Galaxy VS UPS 20kW 400V, 1 internal 7Ah smart modular battery string, expandable to 2, Start-up 5x8

GVSUPS20KB2HS

### 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 1 smart modular battery string, expandable to 2 strings for extended runtime.
<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>Other Output Voltage</b>	380 V 415 V
<b>Rated power in W</b>	20 kW
<b>Rated power in VA</b>	20 kVA
<b>Battery Type</b>	Internal modular battery VRLA
<b>Provided equipment</b>	Battery modules ship installed Dust filter EcoStruxure IT ready (UPS) Installation guide Integrated network management Power modules ship installed Start-Up Service

### Batteries & Runtime

<b>Battery Voltage</b>	480V
<b>End of Discharge Battery Voltage</b>	384 V DC
<b>End of Discharge Maximum Battery Current</b>	54 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	13.11 in (33.3 cm)
Depth	33.35 in (84.7 cm)
Product Weight	540.13 lb(US) (245 kg)
USB compatible	No

## Input

Input Frequency	40 - 70 Hz
Number of input connectors	1 Hard Wire 5-wire (3PH + N + G)
Efficiency at full load	340...460 V 400 V
Maximum Input Current per Phase	36 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)	20 kW
Harmonic distortion	Less than 3%
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 < 3% 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

Product Certifications	UL 1778 5th edition
Standards	CSA C22.2 No 107.3 EN/IEC 62040-1 EN/IEC 62040-2 EN/IEC 62040-3 IEC 60721-4-2 Level 2M2

## 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	5...104 °F (-15...40 °C)
Storage Relative Humidity	0...95 % non-condensing
Storage altitude	0...10000 ft (0.00...3048.00 m)
Acoustic level	65 dBA
Online Thermal Dissipation	2454 Btu/h
IP degree of protection	IP20

## Communications & Management

Free slots	1
Control panel	Touch Screen LCD User Interface

## Ordering and shipping details

GTIN	731304406723
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## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	66.54 in (169 cm)
Package 1 Width	38.98 in (99 cm)
Package 1 Length	25.20 in (64 cm)
Package 1 Weight	595.25 lb(US) (270 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)