

# Product data sheet

Specifications



## Galaxy VS UPS 20kW 480V, 1 internal 9Ah smart modular battery string, expandable to 4, Start-up 5x8

GVSUPS20KB4GS

### Overview

**Presentation** Highly efficient, easy-to-deploy 20kW, 480V 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 high-capacity modular battery string, expandable to 4 strings for extended runtime. Runtime charts available in the Documents tab. (600V options available for Canada / Options disponibles pour le Canada)

**Lead time** Usually Ships within 2 Weeks

### Main

**Main Input Voltage** 480 V 3 phase

**Main Output Voltage** 480 V 3 phase

**Kw Rating** 20 kW

**Rated power in VA** 20 kVA

**Battery type** Internal modular battery  
VRLA

**Provided equipment** Battery modules ship installed  
Dust filter  
EcoStruxure IT ready (UPS)  
Installation guide  
Integrated network management  
Power modules ship installed  
Start-Up Service

### Batteries & Runtime

**Battery voltage** 480V

**End of Discharge Battery Voltage** 384 V DC

**End of Discharge Maximum Battery Current** 54 A

**Battery power in VAH** 0 VAh runtime

**Extendable Run Time** 0

### General

**Bypass Voltage Tolerance** +/- 10 %

**Redundant** No

### Physical

**Color** 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>	705.48 lb(US) (320 kg)
<b>USB compatible</b>	No

## Input

<b>Input Frequency</b>	40 - 70 Hz
<b>Number of input connectors</b>	1 Hard Wire 4-wire (3PH + G)
<b>Efficiency at full load</b>	408...552 V 480 V
<b>Maximum Input Current per Phase</b>	30 A
<b>Maximum Short Circuit Withstand (Icw)</b>	65 kA
<b>Input Total Harmonic Distortion</b>	Less than 3% for full load
<b>Load power factor</b>	From 0.7 leading to 0.7 lagging without any derating
<b>Input Power Factor at Full Load</b>	0.99

## Output

<b>Max Configurable Power (Watts)</b>	20 kW
<b>Output Frequency (sync to mains)</b>	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
<b>Crest factor</b>	2.5
<b>Waveform Type</b>	Sine wave
<b>Output voltage tolerance</b>	+/-1% after 50ms
<b>Overload Operation</b>	10 minutes @ 125% and 60 seconds @ 150%
<b>Bypass type</b>	Built-in Static Bypass
<b>Maximum configurable power in VA</b>	20 kVA

## Conformance

<b>Product Certifications</b>	ENERGY STAR V2.0 (USA) UL 1778 5th edition
<b>Standards</b>	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

<b>Ambient air temperature for operation</b>	32...104 °F (0...40 °C)
<b>Relative Humidity</b>	0...95 % non-condensing
<b>Operating altitude</b>	0...3281 ft
<b>Ambient Air Temperature for Storage</b>	5...104 °F (-15...40 °C)
<b>Storage Relative Humidity</b>	10...80 % non-condensing
<b>Storage altitude</b>	0...10000 ft (0.00...3048.00 m)
<b>Acoustic level</b>	55 dBA

Heat dissipation	2198 Btu/h
IP degree of protection	IP20

## Communications & Management

Free slots	1
Control panel	Touch Screen LCD User Interface


## Ordering and shipping details

GTIN	731304641728
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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	1080.27 lb(US) (490 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)