

# Product data sheet

Specifications



## Galaxy VS UPS 20kW 480V, 1 internal 7Ah smart modular battery string, expandable to 2, Start-up 5x8

GVSUPS20KB2GS

### 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 modular battery string, expandable to 2 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 phases

**Main Output Voltage** 480 V 3 phases

**Rated power in W** 20 kW

**Rated power in VA** 20 kVA

**Output connector type** Hard wire 4-wire (3P + E) 1  
Hard wire 5-wire (3P + N + E) 1

**Battery type** Internal modular battery  
VRLA

**Provided equipment** Dust filter  
Installation guide  
Integrated network management  
Power modules ship installed  
Start-up service  
Top and bottom cable entry

### General

**Bypass voltage tolerance** +/- 10 %

**Redundant** No

### Physical

**Colour** White

**Height** 148.5 cm

**Width** 33.3 cm

**Depth** 84.7 cm

**Net weight** 245 kg

**USB compatible** No

## Input

Network frequency	40...70 Hz
Number of input connectors	1 hard wire 4-wire (3P + E)
Input voltage limits	408...552 V 480 V
Maximum input current	30 A
Max short time withstand current	65 kA
Input harmonic distortion	Less than 3 % for full load
Load power factor	From 0.7 leading to 0.5 lagging without any derating
Input Power Factor at Full Load	0.99

## Output

Maximum configurable power in W	20 kW
Harmonic distortion	Less than 3 %
Output frequency	50 Hz sync to mains 60 Hz sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised 60 Hz +/- 0.1 % for 60 Hz nominal unsynchronised
Crest factor	2.5
Wave type	Sine wave
Output voltage tolerance	+/-1% after 50ms
Output harmonic distortion	< 1% linear load and < 3% non-linear load
Output overload operation	10 minutes at 125% and 60 seconds at 150%
Bypass type	Built-in static bypass
Maximum configurable power in VA	20 kVA

## Conformance

Product certifications	ENERGY STAR V2.0 (USA) UL 1778 5th edition
Standards	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

Ambient air temperature for operation	0...40 °C
Relative humidity	0...95 % non-condensing
Operating altitude	0...3281 ft
Ambient air temperature for storage	-15...40 °C
Storage Relative Humidity	10...80 % Non-condensing
Storage altitude	0.00...3048.00 m
Acoustic level	65 dBA
Heat dissipation	2225 Btu/h
IP degree of protection	IP20

## Batteries & Runtime

Battery voltage	480 V
Discharge battery voltage	384 V DC
Max current discharge	54 A
Battery power in VAH	0 VAh runtime
Extended runtime	0


## Communications & Management

Free slots	1
Control panel	Touch screen LCD user interface
Alarm	Audible and visible alarms prioritized by severity

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	168 cm
Package 1 Width	99 cm
Package 1 Length	64 cm
Package 1 Weight	270 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
RoHS exemption information	<a href="#">Yes</a>
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)