

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
Range of Product	Galaxy VS
Range Compatibility	Galaxy VS

Batteries & Runtime

Efficiency	View Efficiency Graph
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
Product or Component Type	Uninterruptible power supply (UPS)

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Physical

color	White
Height	58.5 in (148.5 cm)
Width	20.5 in (52.1 cm)
Depth	33.3 in (84.7 cm)
Net Weight	705.5 lb(US) (320 kg)
USB compatible	No

Input

Input Frequency	40 - 70 Hz
Number of input connectors	1 Hard Wire 4-wire (3PH + G)
Efficiency at full load	408...552 V 480 V
Maximum Input Current per Phase	30 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
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
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	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	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	10...80 % non-condensing
Storage altitude	0...10000 ft (0.0000000000...3048.0000000000 m)
acoustic level	55 dBA
Online Thermal 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	66.1 in (168 cm)
Package 1 Width	39.0 in (99 cm)
Package 1 Length	25.2 in (64 cm)
Package 1 Weight	1080.3 lb(US) (490 kg)

Contractual warranty

Warranty	1 year on-site repair or replace with factory authorized Start-Up
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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

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Energy Efficient Take-back Transparency RoHS/REACH

Resource performance

- ✓

 Energy Efficient Product
- ✓

 Take-Back Program Available

Well-being performance

- ✓

 Mercury Free
- ✓

 Rohs Exemption Information

Yes

Environmental Certifications

- ✓

 Energy Star®

ENERGY STAR UPS V2.0 (USA)

Certifications & Standards

Reach Regulation

[REACH Declaration](#)

Eu Rohs Directive

Compliant with Exemptions

China Rohs Regulation

[China RoHS declaration](#)

Environmental Disclosure

[Product Environmental Profile](#)

Circularity Profile

[End of Life Information](#)

Image of product / Alternate images

Alternative

