Product datasheet

Specifications

Green Premium™

Galaxy VS UPS 20kW 400V, 1 internal 9Ah smart modular battery string, expandable to 4, Start-up 5x8

GVSUPS20KB4HS

Overview

Presentation	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 high-capacity modular battery string, expandable to 4 strings for extended runtime. Runtime charts available in the Documents tab.
Lead Time	Usually Ships within 2 Weeks

Main

Main Input Voltage	400 V 3 phases
Other Input Voltage	380 V 415 V
Main Output Voltage	400 V 3 phases
Other Output Voltage	380 V 415 V
Rated Power In W	20 kW
Rated Power In Va	20 kVA
Output Connector Type	Hard wire 5-wire (3P + N + E) 1
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

Efficiency	View Efficiency Graph
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

General

Bypass Voltage Tolerance	+/- 10 %
Redundant	No

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Colour	White
Height	148.5 cm
Width	52.1 cm
Depth	84.7 cm
Net Weight	320 kg
Usb Compatible	No

Input

Network Frequency	40...70 Hz
Number Of Input Connectors	1 hard wire 4-wire (3P + E) 1 hard wire 5-wire (3P + N + E)
Input Voltage Limits	340...460 V 400 V
Maximum Input Current	36 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 0.7 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	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	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	0…95 % non-condensing
Storage Altitude	0.00…3048.00 m
Acoustic Level	55 dBA
Heat Dissipation	2431 Btu/h
Ip Degree Of Protection	IP20

Communications & Management

Free Slots	1
Control Panel	Touch screen LCD user interface

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	360 kg

Contractual warranty

Warranty	1 year repair or replace

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-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

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

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