

# Product data sheet

Specifications



## Galaxy VS UPS 20kW 480V for External Batteries, Start-up 5x8

GVSUPS20KGS

### Overview

Presentation	Highly efficient, easy-to-deploy 20kW, 480V 3-phase uninterruptible power supply (UPS) that brings best-in-class power protection to edge, small and medium data centers, as well as to critical infrastructure in commercial and industrial applications. Compact design, high-density technology and modular architecture keep total cost of ownership low and operational efficiency at the highest levels. Galaxy VS reduces your energy losses by up to 66% with the patented EConversion mode – reaching up to 99% efficiency levels and delivering more energy savings than even our industry-leading 97% efficiency in normal operating mode. The UPS is EcoStruxure-ready to give you peace of mind with cloud-based remote monitoring and management via your smartphone. Includes 5x8 start-up service. For battery runtime details, see the runtime charts published under the Documents tab.
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	External battery system Li-Ion (Lithium-Ion) VRLA
Provided Equipment	Dust filter Installation guide Integrated network management Power modules ship installed Start-up service Top and bottom cable entry

### Batteries & Runtime

Efficiency	<a href="#">View Efficiency Graph</a>
Number Of Battery Filled Slots	0
Number Of Battery Free Slots	0
Battery Voltage	384...576 V DC
Discharge Battery Voltage	307 V DC
Maximum Short-Circuit Current	65 kA
Max Current Discharge	68 A
Battery Power In Vah	0 VAh runtime
Extended Runtime	0

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

## General

Bypass Voltage Tolerance	+/- 10 %
Max Bypass Input Current	30 A
Redundant	No

## Physical

Colour	White
Height	148.5 cm
Width	52.1 cm
Depth	84.7 cm
Net Weight	206 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	408...552 V 480 V
Maximum Input Current	31 A
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 60 Hz +/- 0.1 % for 60 Hz nominal unsynchronised 50 Hz +/- 0.1 % for 50 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)
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 %
Operating Altitude	0...3281 ft
Ambient Air Temperature For Storage	-25...55 °C
Storage Relative Humidity	Non-condensing 10...80 %
Storage Altitude	0.00...15240.00 m
Acoustic Level	61 dBA
Heat Dissipation	2187.8 Btu/h
Ip Degree Of Protection	IP21

## Communications & Management

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

## Packing Units

Package 1 Height	168 cm
Package 1 Width	64 cm
Package 1 Length	99 cm
Package 1 Weight	235 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- products. **Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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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

Eu Rohs Directive   Compliant  
[EU RoHS Declaration](#)

China Rohs Regulation   [China RoHS declaration](#)

Environmental Disclosure   [Product Environmental Profile](#)

Circularity Profile   [End of Life Information](#)