## **Product data sheet**

Specifications



# Galaxy VS UPS 20kW 400V for External Batteries, Start-up 5x8

GVSUPS20KHS

## Overview

Presentation

Highly efficient, easy-to-deploy 20kW, 400V 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 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

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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	External battery system
	Li-Ion (Lithium-Ion) VRLA
	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	View Efficiency Graph □
Number of battery filled slots	0
Number of battery free slots	0
Battery voltage	384576 V DC
Discharge battery voltage	307 V DC
Max current discharge	68 A
Battery power in VAH	0 VAh runtime

## General

Bypass voltage tolerance	+/- 10 %
Max bypass input current	32 A
Redundant	No
product or component type	Uninterruptible power supply (UPS)

## Physical

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Colour	White
Height	148.5 cm
Width	52.1 cm
Depth	84.7 cm
net weight	206 kg
USB compatible	No

## Input

Network frequency	4070 Hz
Number of input connectors	1 hard wire 4-wire (3P + E) 1 hard wire 5-wire (3P + N + E)
Input voltage limits	340460 V 400 V
Maximum input current	37 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

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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

CSA C22.2 No 107.3 EN/IEC 62040-1 EN/IEC 62040-2 EN/IEC 62040-3 FCC part 15 class A IEC 60721-4-2 level 2M2 UL 1778 5th edition

## Environmental

Ambient air temperature for operation	040 °C
Relative humidity	095 % non-condensing
Operating altitude	03281 ft
Ambient air temperature for storage	-2555 °C
Storage Relative Humidity	1080 % non-condensing
Storage altitude	0.00000000015240.000000000 m
Acoustic level	65 dBA
heat dissipation	2187.8 Btu/h
IP degree of protection	IP21

## **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	235 kg

#### **Contractual warranty**

Warranty

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

## Sustainability

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> 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 >

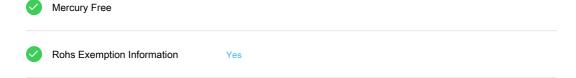


#### **Resource performance**

Energy Efficient Product

Take-Back Program Available

## Well-being performance



## **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