## **Product data sheet**

Specifications



# Galaxy VS UPS 80kW 480V for External Batteries, Start-up 5x8

GVSUPS80KGS

## Overview

Presentation

Highly efficient, easy-to-deploy 80kW, 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	80 kW
Rated Power In Va	80 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	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	216 A
Battery Power In Vah	0 VAh runtime
Extended Runtime	0

## General

May 19, 2024

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

Bypass Voltage Tolerance	+/- 10 %
Max Bypass Input Current	121 A
Redundant	No
Product Or Component Type	Uninterruptible power supply (UPS)

## Physical

-	
Colour	White
Height	148.5 cm
Width	52.1 cm
Depth	84.7 cm
Net Weight	250 kg
Usb Compatible	No

## Input

Network Frequency	4070 Hz	
Number Of Input Connectors	1 hard wire 3-wire (3P + E)	
Input Voltage Limits	408552 V 480 V	
Maximum Input Current	124 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	80 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	80 kVA	

Va

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	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	0.0015240.00 m
Acoustic Level	61 dBA
Heat Dissipation	7449 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	275 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 >

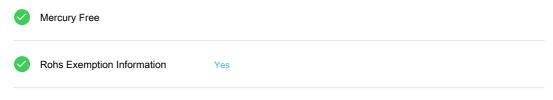


#### **Resource performance**

Energy Efficient Product

Take-Back Program Available

### Well-being performance



#### **Environmental Certifications**

	Energy Star®	ENERGY STAR UPS V2.0 (USA)
$\checkmark$	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