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 \square
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

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

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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 VA	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	0.00000000015240.000000000 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 1PCENumber of Units in Package 11Package 1 Height168 cmPackage 1 Width99 cmPackage 1 Length64 cmPackage 1 Weight275 kg	-	
Package 1 Height 168 cm Package 1 Width 99 cm Package 1 Length 64 cm	Unit Type of Package 1	PCE
Package 1 Width 99 cm Package 1 Length 64 cm	Number of Units in Package 1	1
Package 1 Length 64 cm	Package 1 Height	168 cm
	Package 1 Width	99 cm
Package 1 Weight 275 kg	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 PremiumTM 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-CO₂ 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 >

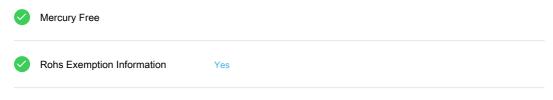


Resource performance

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