Product data sheet

Specifications



Galaxy VS UPS 80kW 400V for External Batteries, Start-up 5x8

GVSUPS80KHS

Overview

Presentation	Highly efficient, easy-to-deploy 80kW, 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 eConversion mode – reaching up to 99% efficiency levels and delivering more energy savings than even our industry-leading 97% efficiency in double conversion mode. The UPS is EcoStruxure connected to give you peace of mind with cloud-based remote monitoring and management via your smartphone. Includes 5x8 start-up service.
Lead time	Usually Ships within 2 Weeks

Main

Main Input Voltage	400 V 3 phase
Other Input Voltage	380 V 415 V
Main Output Voltage	400 V 3 phase
Other Output Voltage	380 V 415 V
Kw Rating	80 kW
Rated power in VA	80 kVA
Output connector type	Hard Wire 5-wire (3PH + N + G) 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
Range of Product	Galaxy VS
Range Compatibility	Galaxy VS

Batteries & Runtime

Efficiency	View Efficiency Graph
Battery Voltage	384-576VDC
End of Discharge Battery Voltage	307 V DC
End of Discharge Maximum Battery Current	217 A
Battery power in VAH	0 VAh runtime

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

Extendable Run Time	0

General

Bypass Voltage Tolerance	+/- 10 %
Max Bypass Input Current	129 A
Redundant	No
Product or Component Type	Uninterruptible power supply (UPS)

Physical

color	White
Height	58.5 in (148.5 cm)
Width	20.5 in (52.1 cm)
Depth	33.3 in (84.7 cm)
Net Weight	551.2 lb(US) (250 kg)
USB compatible	No

Input

Input Frequency	40 - 70 Hz
Number of input connectors	1 Hard Wire 3-wire (3PH + G) 1 Hard Wire 5-wire (3PH + N + G)
Efficiency at full load	340...460 V 400 V
Maximum Input Current per Phase	148 A
Maximum Short Circuit Withstand (Icw)	65 kA
Input Total 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

Max Configurable Power (Watts)	80 kW
Harmonic distortion	Less than 3%
Output Frequency (sync to mains)	50 Hz sync to mains 60 Hz sync to mains 60 Hz +/- 0.1 % for 60 Hz nominal not synced 50 Hz +/- 0.1 % for 50 Hz nominal not synced
Crest factor	2.5
Waveform Type	Sine wave
Output voltage tolerance	+/-1% after 50ms
Output Voltage THD	< 1% linear load and < 3% non-linear load
Overload Operation	10 minutes @ 125% and 60 seconds @ 150%
Bypass type	Built-in Static Bypass
Maximum configurable power in VA	80 kVA

Conformance

Standards	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	32…104 °F (0…40 °C)
Relative Humidity	0…95 % non-condensing
Operating altitude	0...3281 ft
Ambient Air Temperature for Storage	-13…131 °F (-25…55 °C)
Storage Relative Humidity	10…80 % non-condensing
Storage altitude	0…50000 ft (0.0000000000…15240.0000000000 m)
acoustic level	65 dBA
Online Thermal Dissipation	7449 Btu/h
IP degree of protection	IP21

Communications & Management

Free slots	1
Control panel	Touch Screen LCD User Interface

Ordering and shipping details

GTIN	731304342823

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	66.1 in (168 cm)
Package 1 Width	39.0 in (99 cm)
Package 1 Length	25.2 in (64 cm)
Package 1 Weight	606.3 lb(US) (275 kg)

Contractual warranty

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

Sustainability

Green Premium^{TM} 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.

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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

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

Image of product / Alternate images

Alternative



