Product datasheet

Specifications



Galaxy VS UPS 50kW 400V with N+1 power module for external batteries, Start-up 5x8

GVSUPS50KRHS

Overview

Presentation	Highly efficient, easy-to-deploy 50kW, 400V 3-phase UPS that brings best-in-class power protection and low total cost of ownership to edge, small and medium data centers, as well as to critical infrastructure in commercial and industrial applications. Includes 5x8 start-up service and one additional power module for N+1 redundancy.

Main

Main input voltage	400 V AC 3 phases 380 V AC 3 phases 415 V AC 3 phases
Other input voltage	380 V 415 V
Maximum input current	90 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
Efficiency at full load	340...460 V 400 V
Input frequency	40...70 Hz
Output voltage	400 V AC 3 phases 380 V AC 3 phases 415 V AC 3 phases
Rated power in W	50 kW
Rated power in VA	50 kVA
Bypass type	Built-in static bypass
Crest factor	2.5
Maximum configurable power in VA	50 kVA
Maximum configurable power in W	50 kW
Output harmonic distortion	< 1% linear load and < 5% non-linear load
Output overload operation	10 minutes at 125% and 60 seconds at 150%
Output voltage tolerance	+/-1% after 50ms
Waveform type	Sine wave
Output frequency	50 Hz sync to mains 60 Hz sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised 60 Hz +/- 0.1 % for 60 Hz nominal unsynchronised

Complementary

Max current discharge	136 A

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

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

Battery type	Lead-acid external sold separately Li-Ion (Lithium-Ion) external sold separately
Control panel	Touch screen LCD user interface
UPS connectivity	Embedded network management card 4
Color	White
Height	148.5 cm
Width	52.1 cm
Depth	84.7 cm
Product weight	250 kg
Provided equipment	Dust filter EcoStruxure IT ready (UPS) Installation guide Integrated network management Power modules ship installed Start-up service
Bypass voltage tolerance	+/- 10 %
Redundant	Yes
Range of product	Galaxy VS
Product or component type	Uninterruptible power supply (UPS)

Environment

Standard	EN/IEC 62040-1 EN/IEC 62040-2 FCC part 15 class A IEC 60721-4-2 level 2M2 UL 1778 5th edition
Ambient air temperature for operation	0…40 °C
Ambient air temperature for storage	-25…55 °C
IP protection	IP21
Relative humidity	0…95 % non-condensing
Storage relative humidity	10…80 % non-condensing
Acoustic level	68 dBA
Heat dissipation	5804 Btu/h
Operating altitude	0...3300 ft

Batteries & Runtime

Battery type	External battery system Li-Ion (Lithium-Ion) VRLA
Battery voltage	480...576 VDC
Discharge battery voltage	384 V DC

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	250 kg

Contractual warranty

Warranty (in months)	12

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Total lifecycle Carbon footprint	**43 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**25 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**54 722 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.1 kg CO2 eq.**
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No**
EU RoHS Directive	Compliant By Exemption
REACh Regulation	Reference contains Substances of Very High Concern above the threshold

Energy efficiency

Energy Efficiency Optimized	**Energy efficient product**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**68**
End of life manual availability	End of Life Information
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**

Image of product / Alternate images

Alternative





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