

Product datasheet

Specifications



Galaxy VS UPS 40kW 400V for up to 4 internal 9Ah smart modular battery strings, Start-up 5x8

GVSUPS40K0B4HS

Overview

Presentation	Highly efficient, easy-to-deploy 40kW, 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. This UPS is for up to 4 smart modular high capacity battery strings, but is supplied without batteries, so you can easily customize the battery runtime. Includes 5x8 start-up service.
Lead time	Usually Ships within 2 Weeks

Main

Main Input Voltage	400 V AC 3 phases 380 V AC 3 phases 415 V AC 3 phases
Input voltage	380 V 415 V
Maximum input current	72 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
Cos phi	0.99
Input voltage limits	340...460 V 400 V
Network frequency	40...70 Hz
Output voltage	400 V AC 3 phases 380 V AC 3 phases 415 V AC 3 phases
Output voltage	380 V 415 V
Rated power in W	40 kW
rated power in VA	40 kVA
Bypass type	Built-in static bypass
Crest factor	2.5
Harmonic distortion	Less than 3 %
Maximum configurable power in VA	40 kVA
Maximum configurable power in W	40 kW
Output harmonic distortion	< 1% linear load and < 3% non-linear load
Output overload operation	10 minutes at 125% and 60 seconds at 150%
Output voltage tolerance	+/- 5% after 2ms +/-1% after 50ms

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

Wave type	Sine wave
Output frequency	50 Hz sync to mains 60 Hz sync to mains

Complementary

Battery type	Internal modular battery VRLA
Battery voltage	480 V
Extended runtime	0
Max current discharge	109 A
Discharge battery voltage	384 V
Battery type	Lead-acid internal sold separately
Control panel	Touch screen LCD user interface
UPS connectivity	Embedded network management card 4
Colour	White
Height	148.5 cm
Width	52.1 cm
Depth	84.7 cm
Net weight	200 kg
USB compatible	No
Provided equipment	Dust filter Installation manual Integrated network management Start-up service EcoStruxure Ready
Redundant	No
Range of product	Galaxy VS
Product or component type	Uninterruptible power supply (UPS)

Environment

Standards	IEC 62040-1-1 IEC 62040-2 OSHDP
Ambient air temperature for operation	0...40 °C
Ambient air temperature for storage	-15...40 °C
Storage altitude	0...3048 m
IP degree of protection	IP20
Relative humidity	0...95 % non-condensing
Storage Relative Humidity	10...80 % non-condensing
Acoustic level	61 dBA
Heat dissipation	4658 Btu/h
Operating altitude	0...3300 ft

Packing Units

Unit Type of Package 1	PCE
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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	200 kg

Contractual warranty

Warranty (in months)	12
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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	38 860 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Carbon footprint of the manufacturing phase [A1 to A3]	2 197 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	93 kg CO2 eq.
Carbon footprint of the installation phase [A5]	22 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	36 082 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	468 kg CO2 eq.

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	8c493f2b-82c6-495f-a54a-f7d594e2b537
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
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Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	42
End of life manual availability	End of Life Information
Removable battery	Yes
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



