

Product datasheet

Specifications



Galaxy VS UPS 20kW 400V, 1 internal 9Ah smart modular battery string, expandable to 4, Start-up 5x8

GVSUPS20KB4HS

Overview

Presentation Highly efficient, easy-to-deploy 20kW, 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 1 smart high-capacity modular battery string, expandable to 4 strings for extended runtime. Runtime charts available in the Documents tab.

Lead time Usually Ships within 2 Weeks

Main

Main Input Voltage	400 V 3 phases
Input voltage	380 V 415 V
Maximum input current	36 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
Number of input connectors	1 hard wire 4-wire (3P + E) 1 hard wire 5-wire (3P + N + E)
Network frequency	40...70 Hz
Output voltage	400 V 3 phases
Output voltage	380 V 415 V
Rated power in W	20 kW
rated power in VA	20 kVA
Output connector type	Hard wire 5-wire (3P + N + E) for 1 zone(s)
Bypass type	Built-in static bypass
Crest factor	2.5
Harmonic distortion	Less than 3 %
Maximum configurable power in VA	20 kVA
Maximum configurable power in W	20 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	+/-1% after 50ms

Wave 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

Battery type	Internal modular battery VRLA
Battery voltage	480 V
Extended runtime	0
Max current discharge	54 A
Discharge battery voltage	384 V DC
Control panel	Touch screen LCD user interface
Free slots	1
Colour	White
Height	148.5 cm
Width	52.1 cm
Depth	84.7 cm
Net weight	320 kg
USB compatible	No
Provided equipment	Battery modules ship installed Dust filter EcoStruxure IT ready (UPS) Installation guide Integrated network management Power modules ship installed Start-up service
Bypass voltage tolerance	+/- 10 %
Redundant	No
Range of product	Galaxy VS
Product or component type	Uninterruptible power supply (UPS)

Environment

Product certifications	UL 1778 5th edition
Standards	CSA C22.2 No 107.3 EN/IEC 62040-1 EN/IEC 62040-2 EN/IEC 62040-3 IEC 60721-4-2 level 2M2
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	0...95 % non-condensing
Acoustic level	55 dBA
Heat dissipation	2431 Btu/h

Operating altitude	0...3281 ft
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Packing Units

Unit Type of Package 1	PCE
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Number of Units in Package 1	1
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Package 1 Height	168 cm
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Package 1 Width	99 cm
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Package 1 Length	64 cm
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Package 1 Weight	360 kg
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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	24 587 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Carbon footprint of the manufacturing phase [A1 to A3]	3 844 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	162 kg CO2 eq.
Carbon footprint of the installation phase [A5]	38 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	19 724 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	819 kg CO2 eq.

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant with Exemptions
SCIP Number	7547f066-9302-46d9-96e9-461928dd6901
REACH Regulation	REACH Declaration



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





