

Product datasheet

Specifications



Galaxy VS UPS 20kW 400V for External Batteries, Start-up 5x8

GVSUPS20KHS

Overview

Presentation	Highly efficient, easy-to-deploy 20kW, 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 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.
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Lead time

Main

Main Input Voltage	400 V 3 phases
Other Input Voltage	380 V 415 V
Main Output Voltage	400 V 3 phases
Other 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) 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

General

Bypass voltage tolerance	+/- 10 %
Max bypass input current	32 A
Redundant	No

Physical

Colour	White
Height	148.5 cm

Width	52.1 cm
Depth	84.7 cm
Net weight	206 kg
USB compatible	No

Input

Network frequency	40...70 Hz
Number of input connectors	1 hard wire 4-wire (3P + E) 1 hard wire 5-wire (3P + N + E)
Input voltage limits	340...460 V 400 V
Maximum input current	37 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	20 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	20 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
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Environmental

Ambient air temperature for operation	0...40 °C
Relative humidity	0...95 % non-condensing
Operating altitude	0...3281 ft
Ambient air temperature for storage	-25...55 °C
Storage Relative Humidity	10...80 % non-condensing
Storage altitude	0.00...15240.00 m

Acoustic level	65 dBA
Heat dissipation	2187.8 Btu/h
IP degree of protection	IP21
Batteries & Runtime	
Number of battery filled slots	0
Number of battery free slots	0
Battery voltage	384...576 V DC
Discharge battery voltage	307 V DC
Max current discharge	68 A
Battery power in VAh	0 VAh runtime
Extended runtime	0
Communications & Management	
Free slots	1
Control panel	Touch screen LCD user interface
Alarm	Audible and visible alarms prioritized by severity
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	235 kg
Offer Sustainability	
Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
Optimized Energy Efficiency	Energy efficient product
Take-back	Take-back program available
Contractual warranty	
Warranty	1 year on-site repair or replace with factory authorized Start-Up
Recommended replacement(s)	