Product datasheet

Specifications

Green Premium™

Galaxy VS UPS 50kW 400V for External Batteries, Start-up 5x8

GVSUPS50KHS

Overview

Presentation	Highly efficient, easy-to-deploy 50kW, 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	

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	50 kW
Rated power in VA	50 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	80 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	91 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	50 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	50 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	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	4915.1 Btu/h
IP degree of protection	IP21

Batteries & Runtime

Number of battery filled slots	0
Number of battery free slots	0
Battery voltage	480...576 V DC
Discharge battery voltage	384 V DC
Max current discharge	136 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
China RoHS Regulation	China RoHS declaration
RoHS exemption information	Yes
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)