

Product data sheet

Specifications



Galaxy VS UPS 50kW 480V with N+1 power module for external batteries, Start-up 5x8

GVSUPS50KRG5

Overview

Presentation Highly efficient, easy-to-deploy 50kW, 480V 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.

Lead time Usually Ships within 2 Weeks

Main

Main Input Voltage 480 V 3 phase

Main Output Voltage 480 V 3 phase

Kw Rating 50 kW

Rated power in VA 50 kVA

Battery type External battery system
Li-Ion (Lithium Ion)
VRLA

Provided equipment Dust filter
EcoStruxure IT ready (UPS)
Installation guide
Integrated network management
Power modules ship installed
Start-Up Service

Batteries & Runtime

Battery voltage 480-576VDC

End of Discharge Battery Voltage 384 V DC

End of Discharge Maximum Battery Current 135 A

General

Bypass Voltage Tolerance +/- 10 %

Redundant Yes

Physical

Color White

Height 58.46 in (148.5 cm)

Width 20.51 in (52.1 cm)

Depth 33.35 in (84.7 cm)

Net Weight	551.16 lb(US) (250 kg)
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Input

Input Frequency	40 - 70 Hz
Efficiency at full load	408...552 V 480 V
Maximum Input Current per Phase	74 A
Maximum Short Circuit Withstand (I _{cw})	65 kA
Input Total Harmonic Distortion	Less than 3% for full load
Load power factor	From 0.7 leading to 0.7 lagging without any derating

Output

Max Configurable Power (Watts)	50 kW
Output Frequency (sync to mains)	50 Hz sync to mains 60 Hz sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal not synced 60 Hz +/- 0.1 % for 60 Hz nominal not synced
Crest factor	2.5
Waveform Type	Sine wave
Output voltage tolerance	+/-1% after 50ms
Output Voltage THD	< 1% linear load and < 5% non-linear load
Overload Operation	10 minutes @ 125% and 60 seconds @ 150%
Bypass type	Built-in Static Bypass
Maximum configurable power in VA	50 kVA

Conformance

Standards	IEC 62040-1-1 IEC 62040-2 UL 1778 5th edition FCC Part 15 class A IEC 60721-4-2 Level 2M2 UL 924 Listed
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Environmental

Ambient air temperature for operation	32...104 °F (0...40 °C)
Relative Humidity	0...95 % non-condensing
Operating altitude	0...3300 ft
Ambient Air Temperature for Storage	-13...131 °F (-25...55 °C)
Storage Relative Humidity	10...80 % non-condensing
Acoustic level	64 dBA
Heat dissipation	4915 Btu/h
IP degree of protection	IP21

Communications & Management

Control panel	Touch Screen LCD User Interface
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Ordering and shipping details

GTIN 731304418504

Packing Units

Unit Type of Package 1 PCE

Number of Units in Package 1 1

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)