

Product data sheet

Specifications



Galaxy VS UPS 100kW 480V for External Batteries, Start-up 5x8

GVSUPS100KGS

Overview

Presentation

Highly efficient, easy-to-deploy 100kW, 480V 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.

Lead time

Usually Ships within 2 Weeks

Main

Main Input Voltage

480 V 3 phase

Main Output Voltage

480 V 3 phase

Kw Rating

100 kW

Rated power in VA

100 kVA

Output connector type

Hard Wire 4-wire (3PH + G) 1
Hard Wire 5-wire (3PH + N + G) 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

Batteries & Runtime

Included Battery Modules

0

Battery Slots Empty

0

Battery voltage

480-576VDC

End of Discharge Battery Voltage

384 V DC

End of Discharge Maximum Battery Current

270 A

Battery power in VAH

0 VAh runtime

Extendable Run Time

0

General

Bypass Voltage Tolerance	+/- 10 %
Max Bypass Input Current	151 A
Redundant	No

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)
USB compatible	No

Input

Input Frequency	40 - 70 Hz
Number of input connectors	1 Hard Wire 4-wire (3PH + G)
Efficiency at full load	408...552 V 480 V
Maximum Input Current per Phase	154 A
Maximum Short Circuit Withstand (Icw)	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
Input Power Factor at Full Load	0.99

Output

Max Configurable Power (Watts)	100 kW
Harmonic distortion	Less than 3%
Output Frequency (sync to mains)	50 Hz sync to mains 60 Hz sync to mains 60 Hz +/- 0.1 % for 60 Hz nominal not synced 50 Hz +/- 0.1 % for 50 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 < 3% non-linear load
Overload Operation	10 minutes @ 125% and 60 seconds @ 150%
Bypass type	Built-in Static Bypass
Maximum configurable power in VA	100 kVA

Conformance

Product Certifications	ENERGY STAR V2.0 (USA)
Standards	CSA C22.2 No 107.3 FCC Part 15 class A IEC 62040-3 IEC 60721-4-2 Level 2M2 UL 1778 5th edition

Environmental

Ambient air temperature for operation	32...104 °F (0...40 °C)
Relative Humidity	0...95 % non-condensing
Operating altitude	0...3281 ft
Ambient Air Temperature for Storage	-13...131 °F (-25...55 °C)
Storage Relative Humidity	10...80 % non-condensing
Storage altitude	0...50000 ft (0.00...15240.00 m)
Acoustic level	61 dBA
Heat dissipation	9499.4 Btu/h
IP degree of protection	IP21

Communications & Management

Free slots	1
Control panel	Touch Screen LCD User Interface


Ordering and shipping details

GTIN	731304641612
------	--------------

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	66.14 in (168 cm)
Package 1 Width	38.98 in (99 cm)
Package 1 Length	25.20 in (64 cm)
Package 1 Weight	606.27 lb(US) (275 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
ENERGY STAR®	ENERGY STAR UPS V2.0 (USA) 
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)