Product data sheet

Specifications



Galaxy VS UPS 20kW 480V with N+1 power module for external batteries, Start-up 5x8

GVSUPS20KRGS

Overview

Presentation	Highly efficient, easy-to-deploy 20kW, 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	20 kW
Rated power in VA	20 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
Range of Product	Galaxy VS
Range Compatibility	Galaxy VS

Batteries & Runtime

Battery Voltage	384-576VDC
End of Discharge Battery Voltage	307 V DC
End of Discharge Maximum Battery Current	68 A

General

Bypass Voltage Tolerance	+/- 10 %
Redundant	Yes
Product or Component Type	Uninterruptible power supply (UPS)

Physical

color	White
Height	58.5 in (148.5 cm)
Width	20.5 in (52.1 cm)

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Depth	33.3 in (84.7 cm)
Net Weight	551.2 lb(US) (250 kg)

Input

Input Frequency	40 - 70 Hz
Efficiency at full load	408...552 V 480 V
Maximum Input Current per Phase	30 A
Maximum Short Circuit Withstand (Icw)	65 kA
Input Total Harmonic Distortion	Less than 5% for full load
Load power factor	From 0.7 leading to 0.7 lagging without any derating

Output

Max Configurable Power (Watts)	20 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	20 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

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
Online Thermal Dissipation	2188 Btu/h
IP degree of protection	IP21

Communications & Management

Control panel	Touch Screen LCD User Interface

Ordering and shipping details

GTIN	731304418474

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	66.1 in (168 cm)
Package 1 Width	25.2 in (64 cm)
Package 1 Length	39.0 in (99 cm)
Package 1 Weight	551.2 lb(US) (250 kg)

Contractual warranty

Warranty	1 year on-site repair or replace with factory authorized Start-Up

Sustainability

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Energy Efficient | Take-back | Transparency | RoHS/REACh

Resource performance

- Energy Efficient Product
- Take-Back Program Available

Well-being performance

- Mercury Free
- Rohs Exemption Information — Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Image of product / Alternate images

Alternative





