Product datasheet

Specifications

Galaxy VS UPS 20kW 400V with N+1 power module for external batteries, Start-up 5x8

GVSUPS20KRHS

Overview

Presentation	Highly efficient, easy-to-deploy 20kW, 400V 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	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
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	384...576 V DC
Discharge Battery Voltage	307 V DC
Max Current Discharge	68 A

General

Bypass Voltage Tolerance	+/- 10 %
Redundant	Yes

Physical

Colour	White
Height	148.5 cm
Width	52.1 cm

Depth	84.7 cm
Net Weight	250 kg

Input

Network Frequency	40...70 Hz
Input Voltage Limits	340...460 V 400 V
Maximum Input Current	30 A
Max Short Time Withstand Current	65 kA
Input Harmonic Distortion	Less than 5 % for full load
Load Power Factor	From 0.7 leading to 0.7 lagging without any derating

Output

Maximum Configurable Power In W	20 kW
Output Frequency	50 Hz sync to mains 60 Hz sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised 60 Hz +/- 0.1 % for 60 Hz nominal unsynchronised
Crest Factor	2.5
Wave Type	Sine wave
Output Voltage Tolerance	+/-1% after 50ms
Output Harmonic Distortion	< 1% linear load and < 5% 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	EN/IEC 62040-1 EN/IEC 62040-2 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...3300 ft
Ambient Air Temperature For Storage	-25…55 °C
Storage Relative Humidity	10…80 % non-condensing
Acoustic Level	68 dBA
Heat Dissipation	2170 Btu/h
Ip Degree Of Protection	IP21

Communications & Management

Control Panel	Touch screen LCD user interface

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	250 kg

Contractual warranty

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

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Resource performance

✅ Energy Efficient Product

✅ Take-Back Program Available

Well-being performance

✅ 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