

Product datasheet

Specifications



Galaxy VS UPS 80kW 400V for external batteries, halogen-free cables, marine certified, Start-up 5x8

GVSUPS80KMHS

Overview

Presentation	Highly efficient, easy-to-deploy 80kW, 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 halogen-free cables. Marine certified.
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
Rated power in W	80 kW
Rated power in VA	80 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

General

Bypass voltage tolerance	+/- 10 %
Redundant	No

Physical

Colour	White
Height	148.5 cm
Width	52.1 mm
Depth	84.7 cm
Net weight	250 kg
USB compatible	No

Input

Network frequency	40...70 Hz
Input voltage limits	340...460 V 400 V
Maximum input current	144 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

Output

Maximum configurable power in W	80 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	80 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
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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	8394 Btu/h
IP degree of protection	IP21

Batteries & Runtime

Battery voltage	384...576 V DC
Discharge battery voltage	307 V DC
Max current discharge	217 A
Battery power in VAh	0 VAh runtime

Extended runtime	0
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Communications & Management

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	290 kg

Contractual warranty

Warranty	1 year on-site repair or replace with factory authorized Start-Up
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Recommended replacement(s)