

Product data sheet

Specifications



Galaxy VS UPS 80kW 400V for External Batteries, Start-up 5x8

GVSUPS80KHS

Overview

Presentation

Highly efficient, easy-to-deploy 80kW, 400V 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 eConversion mode – reaching up to 99% efficiency levels and delivering more energy savings than even our industry-leading 97% efficiency in double conversion mode. The UPS is EcoStruxure connected to give you peace of mind with cloud-based remote monitoring and management via your smartphone. Includes 5x8 start-up service.

Lead time

Usually Ships within 2 Weeks

Main

Main Input Voltage

400 V 3 phase

Other Input Voltage

380 V
415 V

Main Output Voltage

400 V 3 phase

Other Output Voltage

380 V
415 V

Rated power in W

80 kW

Rated power in VA

80 kVA

Output connector type

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

Battery Voltage

384-576VDC

End of Discharge Battery Voltage

307 V DC

End of Discharge Maximum Battery Current

217 A

Battery power in VAH

0 VAh runtime

Extendable Run Time

0

General

| | |
|--------------------------|----------|
| Bypass Voltage Tolerance | +/- 10 % |
| Max Bypass Input Current | 129 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) |
| Product Weight | 551.16 lb(US) (250 kg) |
| USB compatible | No |

Input

| | |
|---------------------------------------|--|
| Input Frequency | 40 - 70 Hz |
| Number of input connectors | 1 Hard Wire 3-wire (3PH + G) 1 Hard Wire 5-wire (3PH + N + G) |
| Efficiency at full load | 340...460 V 400 V |
| Maximum Input Current per Phase | 148 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) | 80 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 | 80 kVA |

Conformance

| | |
|-----------|---|
| Standards | CSA C22.2 No 107.3 EN/IEC 62040-1 EN/IEC 62040-2 EN/IEC 62040-3 FCC Part 15 class A 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 | 65 dBA |
| Online Thermal Dissipation | 7449 Btu/h |
| IP degree of protection | IP21 |

Communications & Management

| | |
|---------------|---------------------------------|
| Free slots | 1 |
| Control panel | Touch Screen LCD User Interface |

Ordering and shipping details

| | |
|------|--------------|
| GTIN | 731304342823 |
|------|--------------|

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

| | |
|-----------------------------|---|
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Under investigation |
| China RoHS Regulation | China RoHS declaration |
| 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)