

Product data sheet

Specifications



Galaxy VS UPS 80kW 400V, 3 internal 9Ah smart modular battery strings, expandable to 5, Start-up 5x8

GVSUPS80KB5HS

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 3 smart modular high capacity battery strings, expandable to 5 strings for extended runtime. See the battery runtime chart for details.

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

Battery Type Internal modular battery
VRLA

Provided equipment Dust filter
Installation manual
Integrated network management
Battery modules ship installed
Start-Up Service
EcoStruxure Ready

Batteries & Runtime

Battery Voltage 480V

End of Discharge Battery Voltage 384 V

End of Discharge Maximum Battery Current 217 A

Battery power in VAH 0 VAh runtime

Extendable Run Time 0

General

Redundant No

Physical

| | |
|----------------|-------------------------|
| Color | White |
| Height | 77.56 in (197 cm) |
| Width | 21.65 in (55 cm) |
| Depth | 33.35 in (84.7 cm) |
| Product Weight | 1499.14 lb(US) (680 kg) |
| USB compatible | No |

Input

| | |
|---------------------------------------|--|
| Input Frequency | 40 - 70 Hz |
| Efficiency at full load | 340...460 V 400 V |
| Maximum Input Current per Phase | 144 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 |
| Crest factor | 2.5 |
| Waveform Type | Sine wave |
| Output voltage tolerance | +/- 5% after 2ms +/-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 | IEC 62040-1-1 IEC 62040-2 OSHPD |
|-----------|---------------------------------------|

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 | 5...104 °F (-15...40 °C) |
| Storage Relative Humidity | 10...80 % non-condensing |
| Storage altitude | 0...10000 ft (0.00...3048.00 m) |

| | |
|----------------------------|------------|
| Acoustic level | 65 dBA |
| Online Thermal Dissipation | 9263 Btu/h |
| IP degree of protection | IP20 |

Communications & Management

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|---------------|---------------------------------|
| Control panel | Touch Screen LCD User Interface |
|---------------|---------------------------------|

Ordering and shipping details

| | |
|------|--------------|
| GTIN | 731304410027 |
|------|--------------|

Packing Units

| | |
|------------------------------|------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 81.97 in (208.2 cm) |
| Package 1 Width | 39.76 in (101 cm) |
| Package 1 Length | 29.72 in (75.5 cm) |
| Package 1 Weight | 595.25 lb(US) (270 kg) |

Offer Sustainability

| | |
|-----------------------------|--|
| Sustainable offer status | Green Premium product |
| 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)