

## Technical Specifications

Galaxy VS UPS 40kW 400V for up to 4 internal 9Ah smart modular battery strings, Start-up 5x8 | GVSUPS40K0B4HS | Downloaded on 04/08/2024 (EST)



# Galaxy VS UPS 40kW 400V for up to 4 internal 9Ah smart modular battery strings, Start-up 5x8

## GVSUPS40K0B4HS

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- Highly efficient, easy-to-deploy 40kW, 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. This UPS is for up to 4 smart modular high capacity battery strings, but is supplied without batteries, so you can easily customize the battery runtime. Includes 5x8 start-up service.
- Includes: Dust filter, EcoStruxure Ready, Installation manual, Integrated network management, Start-up service

| Output                           |   |
|----------------------------------|---|
| Output power capacity            | 40.0kWatts / 40.0kVA                      |
| Max Configurable Power (Watts)   | 40.0kWatts / 40.0kVA                      |
| Nominal Output Voltage           | 400V 3PH                                  |
| Output Voltage Distortion        | Less than 3 %                             |
| Output Frequency (sync to mains) | 50 Hz Sync to mains, 60 Hz Sync to mains  |
| Other Output Voltages            | 380 V, 415 V                              |
| Load Crest Factor                | 2.5                                       |
| Waveform type                    | Sine wave                                 |
| Overload Operation               | 10 minutes at 125% and 60 seconds at 150% |
| Output Voltage THD               | < 1% linear load and < 3% non-linear load |
| Output Voltage Tolerance         | +/- 5% after 2ms, +/-1% after 50ms        |
| Bypass                           | Built-in static bypass                    |

| Input                                   |                             |
|---|-----------------------------|
| Nominal Input Voltage                   | 400V 3PH                    |
| Input frequency                         | 40 - 70 Hz                  |
| Input voltage range for main operations | 340 - 460 (400 V)V          |
| Input Total Harmonic Distortion         | Less than 3 % for full load |
| Other Input Voltages                    | 380 V, 415 V                |
| Maximum Short Circuit Withstand (Icw)   | 65.0kAmps                   |

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| Input                           |       |
|---------------------------------|-------|
| Maximum Input Current           | 72.0A |
| Input Power Factor at Full Load | 0.99  |

| Batteries & Runtime                      |  |
|--|--|
| Battery type                             | Internal modular battery, VRLA                             |
| Nominal Battery Voltage                  | 480 V  |
| End of Discharge Maximum Battery Current | 109.0A   |
| End of Discharge Battery Voltage         | 384 V  |
| Efficiency                               | View Efficiency Graph (Available in Technical Tab on site) |

| Communications & Management |                                 |
|-----------------------------|---------------------------------|
| Control panel               | Touch screen LCD user interface |

| Physical        |                 |
|-----------------|-----------------|
| Maximum Height  | 1485MM, 148.5CM |
| Maximum Width   | 521MM, 52.1CM   |
| Maximum Depth   | 847MM, 84.7CM   |
| Net Weight      | 200.0KG         |
| Shipping weight | 200.0KG         |
| Shipping Height | 1680MM, 168.0CM |
| Shipping Width  | 990MM, 99.0CM   |
| Shipping Depth  | 640MM, 64.0CM   |
| Color           | White           |

| Environmental               |                            |
|-----------------------------|----------------------------|
| Operating Temperature       | 0 - 40 °C                  |
| Operating Relative Humidity | 0 - 95 (Non-condensing) %  |
| Operating Elevation         | 0 - 1005.84meters          |
| Storage Temperature         | -15 - 40 °C                |
| Storage Relative Humidity   | 10 - 80 (Non-condensing) % |

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| Environmental                                 |                |
|---|----------------|
| Storage Elevation                             | 0 - 3048meters |
| Audible noise at 1 meter from surface of unit | 61.0dBA        |
| Online thermal dissipation                    | 4658.0BTU/hr   |
| Protection Class                              | IP20           |

| Conformance       |   |
|-------------------|---|
| Approvals         | IEC 62040-1-1, IEC 62040-2, OSHPD                                 |
| Standard warranty | 1 year on-site repair or replace with factory authorized Start-Up |

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