# Product datasheet

Specifications

## Galaxy VS UPS 60kW 400V India for External Batteries, Start-up 5x8

GVSUPS60KHINS

## Overview

| | |
|---|---|
| **Presentation** | Highly efficient, easy-to-deploy 60kW, 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 the patented ECOnversion mode – reaching up to 99% efficiency levels and delivering more energy savings than even our industry-leading 97% efficiency in normal operating mode. The UPS is EcoStruxure-ready to give you peace of mind with cloud-based remote monitoring and management via your smartphone. Includes 5x8 start-up service. For battery runtime details, see the runtime charts published under the Documents tab. |
| **Lead time** | Usually Ships within 2 Weeks |

## Main

| | |
|---|---|
| **Main Input Voltage** | 400 V AC 3 phases<br>380 V AC 3 phases<br>415 V AC 3 phases |
| **Input voltage** | 380 V<br>415 V |
| **Maximum input current** | 111 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 |
| **Cos phi** | 0.99 |
| **Input voltage limits** | 340...460 V 400 V |
| **Number of input connectors** | 1 hard wire 4-wire (3P + E)<br>1 hard wire 5-wire (3P + N + E) |
| **Network frequency** | 40...70 Hz |
| **Output voltage** | 400 V AC 3 phases<br>380 V AC 3 phases<br>415 V AC 3 phases |
| **Output voltage** | 380 V<br>415 V |
| **Rated power in W** | 60 kW |
| **rated power in VA** | 60 kVA |
| **Output connector type** | Hard wire 5-wire (3P + N + E) for 1 zone(s) |
| **Bypass type** | Built-in static bypass |
| **Crest factor** | 2.5 |
| **Harmonic distortion** | Less than 3 % |
| **Maximum configurable power in VA** | 60 kVA |

| | |
|---|---|
| **Maximum configurable power in W** | 60 kW |
| **Output harmonic distortion** | < 1% linear load and < 3% non-linear load |
| **Output overload operation** | 10 minutes at 125% and 60 seconds at 150% |
| **Output voltage tolerance** | +/-1% after 50ms |
| **Wave type** | Sine wave |
| **Output frequency** | 50 Hz sync to mains<br>60 Hz sync to mains<br>50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised<br>60 Hz +/- 0.1 % for 60 Hz nominal unsynchronised |

## Graphs

| | |
|---|---|
| **Efficiency** | View Efficiency Graph |

## Complementary

| | |
|---|---|
| **Max current discharge** | 163 A |
| **Battery type** | Lead-acid external sold separately<br>Li-Ion (Lithium-Ion) external sold separately |
| **Control panel** | Touch screen LCD user interface |
| **Free slots** | 1 |
| **UPS connectivity** | Embedded network management card 4 |
| **Colour** | White |
| **Height** | 148.5 cm |
| **Width** | 52.1 cm |
| **Depth** | 84.7 cm |
| **Product weight** | 250 kg |
| **USB compatible** | No |
| **Provided equipment** | Dust filter<br>Installation guide<br>Integrated network management<br>Power modules ship installed<br>Start-up service<br>Top and bottom cable entry |
| **Bypass voltage tolerance** | +/- 10 % |
| **Max bypass input current** | 96 A |
| **Redundant** | No |
| **Range of product** | Galaxy VS |
| **Product or component type** | Uninterruptible power supply (UPS) |

## Environment

| | |
|---|---|
| **Product certifications** | FCC part 15 class A<br>UL 1778 5th edition |
| **Standards** | CSA C22.2 No 107.3<br>EN/IEC 62040-1<br>EN/IEC 62040-2<br>EN/IEC 62040-3<br>IEC 60721-4-2 level 2M2 |
| **Ambient air temperature for operation** | 0…40 °C |
| **Ambient air temperature for storage** | -25…55 °C |

| | |
|---|---|
| **Storage altitude** | 0…15240 m |
| **IP degree of protection** | IP21 |
| **Relative humidity** | 0…95 % non-condensing |
| **Storage Relative Humidity** | 10…80 % non-condensing |
| **Acoustic level** | 65 dBA |
| **Heat dissipation** | 5576.1 Btu/h |
| **Operating altitude** | 0...3281 ft |

## Batteries & Runtime

| | |
|---|---|
| **Battery type** | External battery system<br>Li-Ion (Lithium-Ion)<br>VRLA |
| **Battery voltage** | 384...576 V DC |
| **Extended runtime** | 0 |
| **Discharge battery voltage** | 307 V DC |

## 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** | 275 kg |

## Contractual warranty

| | |
|---|---|
| **Warranty (in months)** | 12 |

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

### Environmental footprint

| | |
|---|---|
| Total lifecycle Carbon footprint | **67 422 kg CO2 eq.** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **2 605 kg CO2 eq.** |
| Carbon footprint of the distribution phase [A4] | **35 kg CO2 eq.** |
| Carbon footprint of the installation phase [A5] | **16 kg CO2 eq.** |
| Carbon footprint of the use phase [B2, B3, B4, B6] | **66 384 kg CO2 eq.** |
| Carbon footprint of the end-of-life phase [C1 to C4] | **94 kg CO2 eq.** |
| Environmental Disclosure | Product Environmental Profile |

## Use Better

### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | **Yes** |
| Packaging without single use plastic | **No** |
| SCIP Number | **7547f066-9302-46d9-96e9-461928dd6901** |
| EU RoHS Directive | Compliant By Exemption |
| REACh Regulation | Reference contains Substances of Very High Concern above the threshold |

### Energy efficiency

| | |
|---|---|
| Energy Efficiency Optimized | **Energy efficient product** |

## Use Longer

### Lifetime extension

| | |
|---|---|
| Repair | **No** |

## Use Again

### Repack and remanufacture

| | |
|---|---|
| Recyclability potential, in % | **74** |
| End of life manual availability | End of Life Information |
| Take-back | **No** |
| WEEE Label | **The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins** |

Image of product / Alternate images

**Alternative**


Galaxy VS
Schneider Electric