# Product datasheet

Specifications



## Galaxy VX 500kVA Scalable to 1250kVA 400V, Start up 5x8

GVX500K1250HS

## Overview

| | |
|---|---|
| **Presentation** | Highly efficient, scalable, 3-phase power protection with flexible operating modes and eConversion for large facilities, data centers, and business critical applications. |

## Main

| | |
|---|---|
| **Main input voltage** | 400 V AC 3 phases<br>380 V AC 3 phases<br>415 V AC 3 phases |
| **Other input voltage** | 380 V<br>415 V<br>440 V |
| **Maximum input current** | 841 A |
| **Max short time withstand current** | 100 kA |
| **Input harmonic distortion** | Less than 3 % for full load |
| **Load power factor** | From 0.7 leading to 0.5 lagging without any derating |
| **Cos phi** | 1 |
| **Input connection** | 1 hard wire 4-wire (3P + E) |
| **Input frequency** | 40...70 Hz |
| **Output voltage** | 400 V AC 3 phases<br>380 V AC 3 phases<br>415 V AC 3 phases |
| **Other output voltage** | 380 V<br>415 V<br>440 V |
| **Rated power in W** | 500 kW |
| **Rated power in VA** | 500 kVA |
| **Crest factor** | 3 with THC <5% |
| **Maximum configurable power in VA** | 1250 kVA |
| **Maximum configurable power in W** | 1250 kW |
| **Output harmonic distortion** | < 2% linear load and < 3% non-linear load |
| **Output overload operation** | 10 minutes at 125% and 60 seconds at 150% |
| **Waveform 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 |

## Complementary

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|---|---|
| **Battery type** | Lead-acid external sold separately<br>Li-Ion (Lithium-Ion) external sold separately |
| **Control panel** | 7" touch screen display |
| **Free slot** | 2 |
| **UPS connectivity** | Pre-installed network management card 3 |
| **Color** | White |
| **Height** | 197 cm |
| **Width** | 320 cm |
| **Depth** | 90 cm |
| **Product weight** | 1956 kg |
| **USB compatible** | No |
| **Provided equipment** | Installation guide<br>Start-up service |
| **Redundant** | No |
| **Range of product** | Galaxy VX |
| **Product or component type** | Uninterruptible power supply (UPS) |

## Environment

| | |
|---|---|
| **Product certification** | C-Tick<br>CE |
| **Standard** | EN/IEC 62040-1<br>EN/IEC 62040-2<br>EN/IEC 62040-3<br>IBC 2012<br>IEC 62040-4<br>ISTA 2B |
| **Ambient air temperature for operation** | 0…40 °C |
| **Ambient air temperature for storage** | -15…40 °C |
| **Storage altitude** | 0…15240 m |
| **IP protection** | IP20 |
| **Relative humidity** | 0…95 % non-condensing |
| **Storage relative humidity** | 0…95 % non-condensing |
| **Acoustic level** | 69.5 dBA |
| **Heat dissipation** | 82260 Btu/h |
| **Operating altitude** | 0...3333 ft |

## Batteries & Runtime

| | |
|---|---|
| **Battery type** | External battery system |
| **Battery voltage** | 480 V |
| **Extendable runtime** | 0 |
| **Included battery module** | 0 |
| **Empty battery slot** | 0 |
| **Discharge battery voltage** | 384 V DC |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Number of Units in Package 1** | 1 |
| **Package 1 Height** | 215 cm |
| **Package 1 Width** | 106 cm |
| **Package 1 Length** | 516 cm |
| **Package 1 Weight** | 3737 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 | **656 ton CO2 eq.** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **58 467 kg CO2 eq.** |
| Carbon footprint of the distribution phase [A4] | **652 kg CO2 eq.** |
| Carbon footprint of the installation phase [A5] | **137 kg CO2 eq.** |
| Carbon footprint of the use phase [B2, B3, B4, B6] | **592 ton CO2 eq.** |
| Carbon footprint of the end-of-life phase [C1 to C4] | **3 928 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** |

## Use Longer

### Lifetime extension

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

## Use Again

### Repack and remanufacture

| | |
|---|---|
| Recyclability potential, in % | **76** |
| 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**





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