Product datasheet

Specifications

Galaxy VL UPS 500 kW, 400/480V, Start-up 5x8

GVL500KDS

Overview

Presentation	Highly efficient, modular, high-density 500kW (400/480V) 3-phase UPS that is scalable up to 500kW. It delivers top performance for medium, large, and edge data centers, as well as critical infrastructure in commercial and industrial applications. Includes 5x8 start-up service.

Main

Main input voltage	380 V AC 3 phases 415 V AC 3 phases 400 V AC 3 phases 440 V AC 3 phases 480 V AC 3 phases
Max short time withstand current	65 kA
Input harmonic distortion	Less than 5 % for full load
Load power factor	0.5 leading to 0.5 lagging without derating
Input frequency	40...70 Hz
Output voltage	380 V AC 3 phases 415 V AC 3 phases 400 V AC 3 phases 440 V AC 3 phases 480 V AC 3 phases
Other output voltage	400 V 480 V
Rated power in W	500 kW
Rated power in VA	500 kVA
Crest factor	3
Maximum configurable power in VA	500 kVA
Maximum configurable power in W	500 kW
Output overload operation	10 minutes at 125% and 60 seconds at 150%

Graphs

Efficiency	View Efficiency Graph

Complementary

Battery type	Li-Ion (Lithium-Ion) external sold separately Ni-Cd (Nickel-Cadmium) external sold separately Lead-acid external sold separately
Control panel	Touch screen LCD user interface
UPS connectivity	Embedded network management card 4
Color	White

Height	197 cm
Width	85 cm
Depth	92.5 cm
Product weight	778 kg
Number of power modules	10
Redundant	No
Range of product	Galaxy VL
Product or component type	Uninterruptible power supply (UPS)

Environment

Product certification	IEC 62040-1-1 UL 1778 5th edition IEC 62040-2 IEC 62040-3 VFI-SS-111 FCC Class A ENERGY STAR V2.0 (USA)
Standard	IEC 60721-4-2 level 2M2
Ambient air temperature for operation	0…40 °C
Ambient air temperature for storage	-25…55 °C
IP protection	IP20
Relative humidity	0…95 % non-condensing
Storage relative humidity	10…80 % non-condensing
Operating altitude	0...3000 m

Batteries & Runtime

Battery type	Li-Ion (Lithium-Ion) VRLA Ni-Cd (Nickel-Cadmium)
Discharge battery voltage	384 V

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2145 mm
Package 1 Width	1100 mm
Package 1 Length	950 mm
Package 1 Weight	992 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	**486 ton CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**74 750 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**357 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**259 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**409 ton CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**2 149 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**
EU RoHS Directive	Compliant By Exemption
REACh Regulation	Reference contains Substances of Very High Concern above the threshold

Energy efficiency

ENERGY STAR®	**ENERGY STAR UPS V2.0 (USA)**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**67**
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