Product datasheet

Specifications



Galaxy VXL UPS 500kW Scalable to 1250kW, 400V, Start-up 5x8

GVXL500K1250HS

Main

Main input voltage	380 V AC 3 phases 400 V AC 3 phases 415 V AC 3 phases
Maximum input current	912 A
Max short time withstand current	100 kA
Input harmonic distortion	Less than 3 % for full load
Load power factor	0.5 leading to 0.5 lagging without derating
Efficiency at full load	340...460 V 400 V
Input frequency	40...70 Hz
Output voltage	380 V AC 3 phases 400 V AC 3 phases 415 V AC 3 phases
Other output voltage	400 V
Rated power in W	500 kW
Rated power in VA	500 kVA
Bypass type	No bypass
Crest factor	3
Harmonic distortion	< 3 %
Maximum configurable power in VA	1250 VA
Maximum configurable power in W	1250 kW
Output harmonic distortion	< 1% linear load and < 5% non-linear load
Output overload operation	10 minutes at 125% and 60 seconds at 150%
UPS topology	Double conversion online
Waveform type	Sine wave
Output frequency	50...60 Hz

Complementary

Maximum short-circuit current	100 kA
Battery type	Li-Ion (Lithium-Ion) 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	1970 mm

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

Width	1200 mm
Depth	1000 mm
Product weight	851 kg
USB compatible	Yes
Max bypass input current	729 A
Bypass current protection	729 A
Number of power modules	4
Number of power module free slots	6
Redundant	Yes
Range of product	Galaxy VXL
Product or component type	Uninterruptible power supply (UPS)

Environment

Product certification	IEC 62040-1-1 IEC 62040-2 IEC 62040-3 VFI-SS-111 RoHS
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	5…90 % non-condensing
Storage relative humidity	0…95 % non-condensing
Heat dissipation	47782 Btu/h
Operating altitude	0...3000 m

Batteries & Runtime

Battery type	VRLA Li-Ion (Lithium-Ion)
Battery voltage	480...576 VDC
Discharge battery voltage	384 V DC
Battery charging power	100 kW full load

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	215 cm
Package 1 Width	141 cm
Package 1 Length	116 cm
Package 1 Weight	714 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	**368 ton CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**11 891 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**429 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**285 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**354 ton CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**1 870 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, we have minimized the use of plastic in the packaging in compliance with regulations and considering quality and safety standards**
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**
Product contributes to saved and avoided emissions	**Yes**

Use Again

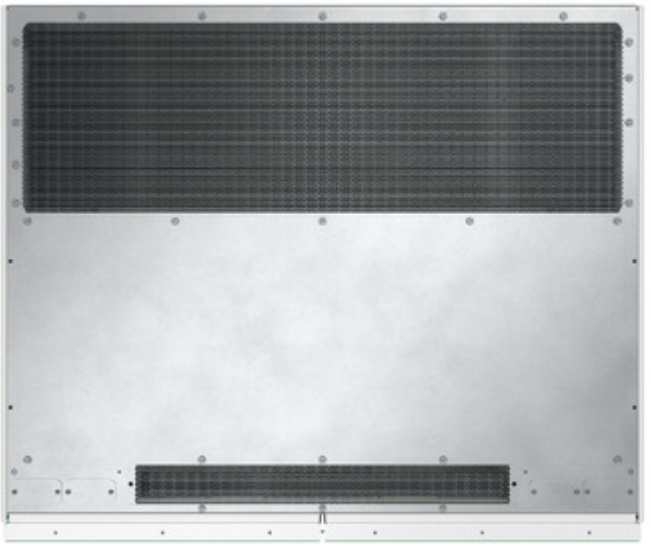
Repack and remanufacture

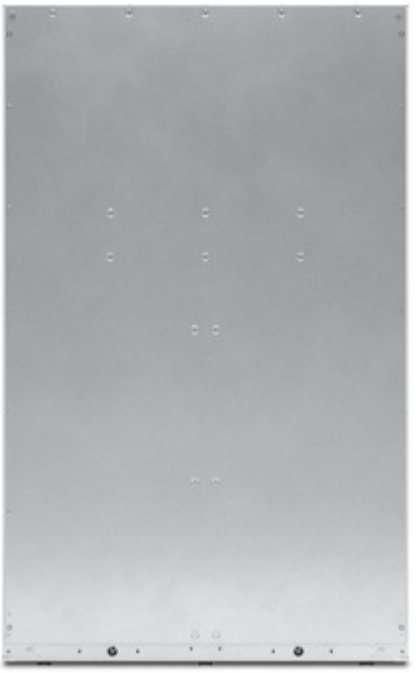
Recyclability potential, in %	**65**
End of life manual availability	End of Life Information
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**

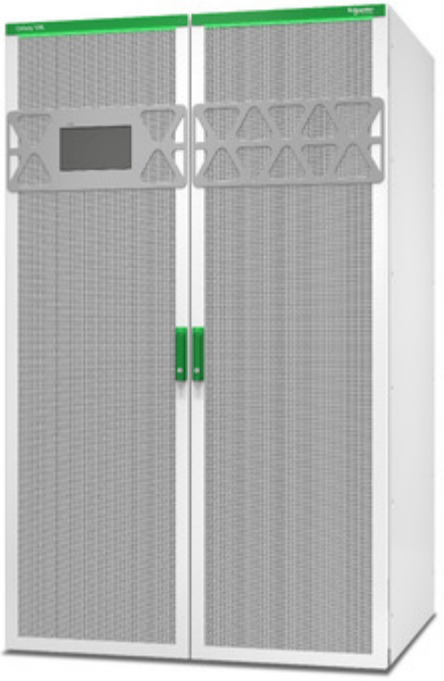
Image of product / Alternate images

Alternative

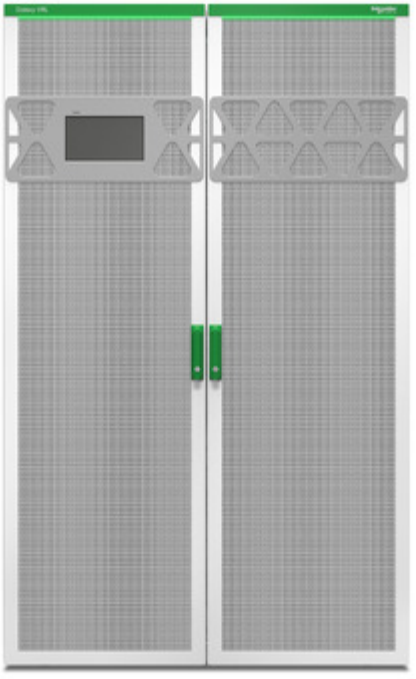












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