Product datasheet

Specifications



Galaxy VS UPS 20kW 400V, 1 internal 7Ah smart modular battery string, expandable to 2, Start-up 5x8

GVSUPS20KB2HS

Overview

Presentation	Highly efficient, easy-to-deploy 20kW, 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. Includes 5x8 start-up service and 1 smart modular battery string, expandable to 2 strings for extended runtime.

Main

Main input voltage	400 V AC 3 phases 380 V AC 3 phases 415 V AC 3 phases
Other input voltage	380 V 415 V
Maximum input current	36 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
Efficiency at full load	340...460 V 400 V
Input connection	1 hard wire 5-wire (3P + N + E)
Input frequency	40...70 Hz
Output voltage	400 V AC 3 phases 380 V AC 3 phases 415 V AC 3 phases
Other output voltage	380 V 415 V
Rated power in W	20 kW
Rated power in VA	20 kVA
Bypass type	Built-in static bypass
Crest factor	2.5
Harmonic distortion	Less than 3 %
Maximum configurable power in VA	20 kVA
Maximum configurable power in W	20 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
Waveform type	Sine wave

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

Output frequency	50 Hz sync to mains 60 Hz sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised 60 Hz +/- 0.1 % for 60 Hz nominal unsynchronised

Complementary

Max current discharge	54 A
Battery type	Lead-acid internal
Control panel	Touch screen LCD user interface
Free slot	1
UPS connectivity	Embedded network management card 4
Color	White
Height	148.5 cm
Width	33.3 cm
Depth	84.7 cm
Product weight	245 kg
USB compatible	No
Provided equipment	Battery modules ship installed Dust filter EcoStruxure IT ready (UPS) Installation guide Integrated network management Power modules ship installed Start-up service
Bypass voltage tolerance	+/- 10 %
Redundant	No
Range of product	Galaxy VS
Product or component type	Uninterruptible power supply (UPS)

Environment

Product certification	UL 1778 5th edition
Standard	CSA C22.2 No 107.3 EN/IEC 62040-1 EN/IEC 62040-2 EN/IEC 62040-3 IEC 60721-4-2 level 2M2
Ambient air temperature for operation	0…40 °C
Ambient air temperature for storage	-15…40 °C
Storage altitude	0…3048 m
IP protection	IP20
Relative humidity	0…95 % non-condensing
Storage relative humidity	0…95 % non-condensing
Acoustic level	65 dBA
Heat dissipation	2454 Btu/h
Operating altitude	0...3281 ft

Batteries & Runtime

Battery type	Internal modular battery VRLA
Battery voltage	480 V
Extendable runtime	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	169 cm
Package 1 Width	99 cm
Package 1 Length	64 cm
Package 1 Weight	270 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	**23 077 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**2 965 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**125 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**29 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**19 326 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**632 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 %	**42**
End of life manual availability	End of Life Information
Removable battery	**Yes**
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



