

Product data sheet

Specifications



Galaxy VS UPS 20kW 480V, 1 internal 7Ah smart modular battery string, expandable to 2, Start-up 5x8

GVSUPS20KB2GS

Overview

Presentation Highly efficient, easy-to-deploy 20kW, 480V 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. Runtime charts available in the Documents tab. (600V options available for Canada / Options disponibles pour le Canada)

Lead time Usually Ships within 2 Weeks

Main

Main Input Voltage 480 V 3 phase

Main Output Voltage 480 V 3 phase

Kw Rating 20 kW

Rated power in VA 20 kVA

Output connector type Hard Wire 4-wire (3PH + G) 1
Hard Wire 5-wire (3PH + N + G) 1

Battery type Internal modular battery
VRLA

Provided equipment Dust filter
Installation guide
Integrated network management
Power modules ship installed
Start-Up Service
Top and bottom cable entry

Batteries & Runtime

Battery voltage 480V

End of Discharge Battery Voltage 384 V DC

End of Discharge Maximum Battery Current 54 A

Battery power in VAH 0 VAh runtime

Extendable Run Time 0

General

Bypass Voltage Tolerance +/- 10 %

Redundant No

Physical

Color	White
Height	58.46 in (148.5 cm)
Width	13.11 in (33.3 cm)
Depth	33.35 in (84.7 cm)
Net Weight	540.13 lb(US) (245 kg)
USB compatible	No

Input

Input Frequency	40 - 70 Hz
Number of input connectors	1 Hard Wire 4-wire (3PH + G)
Efficiency at full load	408...552 V 480 V
Maximum Input Current per Phase	30 A
Maximum Short Circuit Withstand (Icw)	65 kA
Input Total Harmonic Distortion	Less than 3% for full load
Load power factor	From 0.7 leading to 0.5 lagging without any derating
Input Power Factor at Full Load	0.99

Output

Max Configurable Power (Watts)	20 kW
Harmonic distortion	Less than 3%
Output Frequency (sync to mains)	50 Hz sync to mains 60 Hz sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal not synced 60 Hz +/- 0.1 % for 60 Hz nominal not synced
Crest factor	2.5
Waveform Type	Sine wave
Output voltage tolerance	+/-1% after 50ms
Output Voltage THD	< 1% linear load and < 3% non-linear load
Overload Operation	10 minutes @ 125% and 60 seconds @ 150%
Bypass type	Built-in Static Bypass
Maximum configurable power in VA	20 kVA

Conformance

Product Certifications	ENERGY STAR V2.0 (USA) UL 1778 5th edition
Standards	CSA C22.2 No 107.3 FCC Part 15 class A IEC 62040-3 IEC 60721-4-2 Level 2M2 UL 1778 5th edition

Environmental

Ambient air temperature for operation	32...104 °F (0...40 °C)
Relative Humidity	0...95 % non-condensing
Operating altitude	0...3281 ft

Ambient Air Temperature for Storage	5...104 °F (-15...40 °C)
Storage Relative Humidity	10...80 % non-condensing
Storage altitude	0...10000 ft (0.00...3048.00 m)
Acoustic level	65 dBA
Heat dissipation	2225 Btu/h
IP degree of protection	IP20

Communications & Management

Free slots	1
Control panel	Touch Screen LCD User Interface


Ordering and shipping details

GTIN	731304641704
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Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	66.14 in (168 cm)
Package 1 Width	38.98 in (99 cm)
Package 1 Length	25.20 in (64 cm)
Package 1 Weight	595.25 lb(US) (270 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
ENERGY STAR®	ENERGY STAR UPS V2.0 (USA) 
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
Optimized Energy Efficiency	Energy efficient product
Take-back	Take-back program available

Contractual warranty

Warranty	1 year on-site repair or replace with factory authorized Start-Up
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Recommended replacement(s)