Product data sheet

Specifications

Galaxy VS UPS 20kW 400V, 1 internal 9Ah smart modular battery string, expandable to 4, Start-up 5x8

GVSUPS20KB4HS

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 high-capacity modular battery string, expandable to 4 strings for extended runtime. Runtime charts available in the Documents tab.
Lead time	Usually Ships within 2 Weeks

Main

Main Input Voltage	400 V 3 phase
Other Input Voltage	380 V 415 V
Main Output Voltage	400 V 3 phase
Other Output Voltage	380 V 415 V
Rated power in W	20 kW
Rated power in VA	20 kVA
Output connector type	Hard Wire 5-wire (3PH + N + G) 1
Battery Type	Internal modular battery VRLA
Provided equipment	Battery modules ship installed Dust filter EcoStruxure IT ready (UPS) Installation guide Integrated network management Power modules ship installed Start-Up Service

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 %

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

Redundant	No

Physical

Color	White
Height	58.46 in (148.5 cm)
Width	20.51 in (52.1 cm)
Depth	33.35 in (84.7 cm)
Product Weight	705.48 lb(US) (320 kg)
USB compatible	No

Input

Input Frequency	40 - 70 Hz
Number of input connectors	1 Hard Wire 4-wire (3PH + G) 1 Hard Wire 5-wire (3PH + N + G)
Efficiency at full load	340...460 V 400 V
Maximum Input Current per Phase	36 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 0.7 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	UL 1778 5th edition
Standards	CSA C22.2 No 107.3 EN/IEC 62040-1 EN/IEC 62040-2 EN/IEC 62040-3 IEC 60721-4-2 Level 2M2

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	0…95 % non-condensing
Storage altitude	0…10000 ft (0.00…3048.00 m)
Acoustic level	55 dBA
Online Thermal Dissipation	2431 Btu/h
IP degree of protection	IP20

Communications & Management

Free slots	1
Control panel	Touch Screen LCD User Interface

Ordering and shipping details

GTIN	731304406754

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	793.66 lb(US) (360 kg)

Offer Sustainability

REACh Regulation	REACh Declaration
EU RoHS Directive	Under investigation
China RoHS Regulation	China RoHS declaration
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 repair or replace

Recommended replacement(s)