

Product data sheet

Specifications



Galaxy VS 120kW 480V for external batteries, Start-up 5x8

GVSUPS120KGS

Overview

Presentation Highly efficient, easy-to-deploy 120kW, 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.

Lead time Usually Ships within 2 Weeks

Main

Main Input Voltage 480 V 3 phase

Main Output Voltage 480 V 3 phase

Other Output Voltage 380 V
415 V

Kw Rating 120 kW

Rated power in VA 120 kVA

Battery type External battery system
Li-Ion (Lithium Ion)
VRLA

Provided equipment Dust filter
EcoStruxure IT ready (UPS)
Installation guide
Integrated network management
Power modules ship installed
Start-Up Service

Batteries & Runtime

Battery voltage 480-576VDC

End of Discharge Battery Voltage 384 V DC

End of Discharge Maximum Battery Current 325 A

General

Bypass Voltage Tolerance +/- 10 %

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)
Net Weight	612.89 lb(US) (278 kg)
USB compatible	No

Input

Input Frequency	40 - 70 Hz
Efficiency at full load	408...552 V 480 V
Maximum Input Current per Phase	179 A
Maximum Short Circuit Withstand (Icw)	65 kA
Input Total Harmonic Distortion	Less than 5% for full load
Load power factor	From 0.7 leading to 0.7 lagging without any derating

Output

Max Configurable Power (Watts)	120 kW
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
Overload Operation	10 minutes @ 125% and 60 seconds @ 150%
Bypass type	Built-in Static Bypass
Maximum configurable power in VA	120 kVA

Conformance

Product Certifications	ENERGY STAR V2.0 (USA)
Standards	IEC 62040-1-1 IEC 62040-2 UL 1778 5th edition FCC Part 15 class A IEC 60721-4-2 Level 2M2 UL 924 Listed

Environmental

Ambient air temperature for operation	32...104 °F (0...40 °C)
Relative Humidity	0...95 % non-condensing
Operating altitude	0...3300 ft
Ambient Air Temperature for Storage	-13...131 °F (-25...55 °C)
Storage Relative Humidity	10...80 % non-condensing
Acoustic level	64 dBA
Heat dissipation	11152 Btu/h
IP degree of protection	IP21

Communications & Management

Free slots	1
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Ordering and shipping details

GTIN	731304418436
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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	694.46 lb(US) (315 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)