Product data sheet

Specifications

MGE Galaxy 5500 100kVA 400-415V Single UPS Off Shore IP22 RAL 7035, Start-up 5X8

G55TUPU100HXS

⚠ Discontinued on: Sep 6, 2021

⚠ End-of-service on: Oct 18, 2023

⚠ **Discontinued**

Overview

Presentation	UPS is designed to meet the offshore standard requirement.
Lead time	Special Order - Call for Quoted Lead Times

Main

Main Input Voltage	400 V 3 phases
Other Input Voltage	380 V 400 V 415 V
Main Output Voltage	400 V 3 phases
Other Output Voltage	380 V 415 V
Rated power in W	90000 W
Rated power in VA	100000 VA
Output connector type	Hard wire 4-wire (3P + E) 1
Battery type	External battery system
Provided equipment	Installation guide User manual

Batteries & Runtime

Number of battery filled slots	0
Number of battery free slots	0
Additional information	Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage
Battery charger power	9300 W rated
Battery power in VAH	93 VAh runtime
Battery life	8…10 year(s)
Extended runtime	0

General

Bypass wiring configuration	4 wire (3P + N) 5 wire (3P + N + E)
Bypass voltage tolerance	+/- 10 % settable from +/- 4/6/8 and 10 %
Max bypass input current	144 A
Bypass current protection	200 A

Number of power module free slots	0
Number of power module filled slots	0
Redundant	No

Physical

Height	213 cm
Width	71.2 cm
Depth	85.5 cm
net weight	520 kg
Mounting preference	No preference
USB compatible	No

Input

Network frequency	45...65 Hz
Number of input connectors	1 hard wire 4-wire (3P + E) 1 hard wire 4-wire (3P + N)
Input voltage limits	323...437 V 380 V 340...460 V 400 V 353...477 V 415 V
Maximum input current	190 A
Switching current capacity	250 A
Max short time withstand current	30 kA
Input harmonic distortion	Less than 3 % for full load
Input protection type	GL fuse
Load power factor	0.9
Input Power Factor at Full Load	1

Output

Maximum configurable power in W	90000 W
Harmonic distortion	Less than 2 %
Output frequency	50 Hz programmable +/- 0.5 / 1 / 2 / 4 / 6 / 8 % sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised
Crest factor	3 : 1
Wave type	Sine wave
Output voltage tolerance	+/- 2% static and 100% load step
Output harmonic distortion	< 1% linear load and < 2.5% non-linear load
Output overload operation	10 minutes at 125% and 60 seconds at 150%
Required output current protection	144 A
Neutral output current	217 A
Bypass type	Built-in maintenance bypass Built-in static bypass Optional external bypass
Efficiency	93 % (full load) 91 % (half load)

Maximum output current	480 A
Maximum configurable power in VA	100000 VA

Conformance

Product certifications	CE TÜV VDE
Standards	IEC 62040-1-2 EN/IEC 62040-2 EN/IEC 62040-3 ISO 9001

Environmental

Ambient air temperature for operation	0…40 °C
Relative humidity	0…95 %
Operating altitude	0...3333 ft
Ambient air temperature for storage	-20…45 °C
Storage Relative Humidity	0…95 %
Storage altitude	0.0000000000…12192.0000000000 m
Acoustic level	63 dBA
IP degree of protection	IP20

Communications & Management

Free slots	3
Preinstalled device	Network management card 2 with environmental monitoring, out of band access and Modbus - Schneider
control panel	Multifunction LCD status and control console
Emergency power off	Yes

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	226 cm
Package 1 Width	105 cm
Package 1 Length	101 cm
Package 1 Weight	540 kg

Contractual warranty

Warranty	1 year on-site repair or replace with factory authorized Start-Up, 1 year (parts only)

Sustainability

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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Eu Rohs Directive	Under investigation