Product data sheet

Specifications

MGE Galaxy 3500 20kVA 400V 3:1 with 4 Battery Modules, Start-up 5X8

G35T20K3I4B4S

⚠ Discontinued on: Jul 5, 2021

⚠ To be end-of-service on: Dec 31, 2030

⚠ **Discontinued - Service only**

Overview

Lead Time	Usually Ships within 2 Weeks

Main

Main Input Voltage	400 V 3 phases
Other Input Voltage	380 V 415 V
Main Output Voltage	230 V
Other Output Voltage	220 V 240 V
Rated Power In W	16000 W
Rated Power In Va	20000 VA
Output Connector Type	Hard wire 3-wire (H N + E) 1
Connections - Terminals	1 screw terminals
Battery Type	Lead-acid battery
Provided Equipment	Battery modules ship installed Bolt down brackets CD with software Installation guide Network management card Power modules ship installed Smart UPS signalling RS-232 cable Start-up service User manual

Batteries & Runtime

Run Time	View Runtime Graph ⬈
Efficiency	View Efficiency Graph ⬈
Number Of Battery Filled Slots	4
Number Of Battery Free Slots	0
Battery Recharge Time	5 h
Additional Information	Configurable for 220 : 230 or 240 nominal output voltage
Battery Voltage	+/- 192 V (split battery referenced to neutral)
Discharge Battery Voltage	+/- 154 V
Max Current Discharge	109.7 A
Battery Overload Operation	10 minutes at 125% and 60 seconds at 150%

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Battery Charger Power	1958 W rated
Battery Power In Vah	9810 VAh runtime
Battery Life	3…5 year(s)
Battery Option	G35TBXR6B6 1 24526 VAh G35TBXR6B6 2 39329 VAh G35TBXR6B6 3 54321 VAh G35TBXR6B6 4 69523 VAh
Battery Graph Comments	Estimated runtimes based on battery vendor data, at typical environmental conditions, with no electrical input and balanced PF = 0.8 output.
Extended Runtime	0

General

Number Of Power Module Free Slots	0
Number Of Power Module Filled Slots	0
Redundant	No

Physical

Height	149 cm
Width	52.3 cm
Depth	84.2 cm
Net Weight	656 kg
Mounting Preference	No preference
Usb Compatible	No

Input

Network Frequency	40...70 Hz auto-sensing
Number Of Input Connectors	1 hard wire 5-wire (3P + N + E)
Input Voltage Limits	340...460 V adjustable 400 V 304...477 V
Maximum Input Current	27 A
Switching Current Capacity	35 A
Input Harmonic Distortion	Less than 5 % for full load
Input Protection Type	3-pole circuit breaker
Inrush Current	200 A peak
Load Power Factor	0.5 leading to 0.5 lagging
Input Power Factor At Full Load	0.98

Output

Maximum Configurable Power In W	16000 W
Harmonic Distortion	Less than 5 %
Output Frequency	47...53 Hz for 50 Hz nominal sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised
Crest Factor	Unlimited
Wave Type	Sine wave

Output Voltage Tolerance	+/- 1% static and +/- 5% at 100% load step
Output Harmonic Distortion	< 2% for 0 to 100% linear load and < 5% for full non-linear load
Output Overload Operation	10 minutes at 125% and 60 seconds at 150%
Required Output Current Protection	100 A
Bypass Type	Built-in maintenance bypass Built-in static bypass
Efficiency	94.8 % (in battery operation)
Maximum Configurable Power In Va	20000 VA

Conformance

Product Certifications	CE
Standards	EN 50091-2 EN/IEC 62040-3 EN/IEC 62040-1-1 IEC 61000-3-2 IEC 61000-3-3 ISO 14001 ISO 9001 VFI-SS-111

Environmental

Ambient Air Temperature For Operation	0…40 °C
Relative Humidity	0…95 %
Operating Altitude	0...3333 ft
Ambient Air Temperature For Storage	-15…45 °C
Storage Relative Humidity	0…95 %
Storage Altitude	0.00…15240.00 m
Acoustic Level	51.3 dBA
Heat Dissipation	2730 Btu/h
Ip Degree Of Protection	IP51

Communications & Management

Free Slots	0
Preinstalled Device	Network management card 2 with environmental monitoring
Control Panel	Multifunction LCD status and control console
Alarm	Alarm when on battery : distinctive low battery alarm : configurable delays
Emergency Power Off	Yes

Packing Units

Package 1 Height	164.3 cm
Package 1 Width	65 cm
Package 1 Length	106.2 cm
Package 1 Weight	687 kg

Contractual warranty

Warranty	1 year repair or replace

Sustainability

Green Premium^{TM} label label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. **Green Premium** promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low- products.
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	Not applicable, out of EU RoHS legal scope