

# Product data sheet

Specifications



## MGE Galaxy 3500 40kVA 400V with 4 Battery Modules, Start-up 5X8

G35T40KH4B4S

⚠ 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	400 V 3 phases
Other Output Voltage	380 V 415 V
Rated Power In W	32000 W
Rated Power In Va	40000 VA
Output Connector Type	Hard wire 4-wire (3P + E) 1 Hard wire 5-wire (3P + 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	<a href="#">View Runtime Graph</a>
Efficiency	<a href="#">View Efficiency Graph</a>
Number Of Battery Filled Slots	4
Number Of Battery Free Slots	0
Battery Recharge Time	5 h
Additional Information	Configurable for 380 : 400 or 415 V 3 Phase 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%

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

Battery Charger Power	1985 W rated
Battery Power In Vah	9943 VAh runtime
Battery Life	3...5 year(s)
Battery Option	G35TBXR6B6 1 24609 VAh G35TBXR6B6 2 39152 VAh G35TBXR6B6 3 54017 VAh G35TBXR6B6 4 68749 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	149.1 cm
Width	52.3 cm
Depth	83.8 cm
Net Weight	662 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	54 A
Switching Current Capacity	63 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	32000 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	63 A
Bypass Type	Built-in maintenance bypass Built-in static bypass
Efficiency	95.1 % (in battery operation)
Maximum Configurable Power In Va	40000 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	55 dBA
Heat Dissipation	4367 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	692 kg

## Contractual warranty

Warranty	1 year repair or replace
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## Sustainability

**Green Premium™** 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	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="#">www.P65Warnings.ca.gov</a>