

Product data sheet

Specifications



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

G35T20KH3B4S

⚠ Discontinued on: Jul 5, 2021

⚠ To be end-of-service on: Dec 31, 2031

⚠ 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 16000 W

Rated power in VA 20000 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 VRLA

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 3

Number of battery free slots 1

Battery recharge time 5 h

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 | 1482 W rated |
| Battery power in VAH | 7424 VAh runtime |
| Battery life | 3...5 year(s) |
| 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 | 535 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 |
| 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% |

| | |
|----------------------------------|---|
| Bypass type | Built-in maintenance bypass Built-in static bypass |
| Efficiency | 94.9 % (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...15240 m |
| Acoustic level | 51.3 dBA |
| Heat dissipation | 2620 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 |
| Emergency power off | Yes |

Packing Units

| | |
|------------------------------|----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 164.3 cm |
| Package 1 Width | 106.2 cm |
| Package 1 Length | 65 cm |
| Package 1 Weight | 565 kg |

Contractual warranty

| | |
|----------|--------------------------|
| Warranty | 1 year repair or replace |
|----------|--------------------------|



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better

Materials and Substances

EU RoHS Directive

Not applicable, out of EU RoHS legal scope

Use Again

Repack and remanufacture

WEEE Label

The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins