G35T30KH4B4S

MGE Galaxy 3500 30kVA 400V with 4 Battery Modules, Start-up 5X8

Commercial status

Discontinued on: 14 January 2021

To be end-of-service on: 31 December 2030

⚠ To be discontinued

Overview

Lead time	Usually Ships within 2 Weeks

General

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
Performance multiplier	1
Number of tare power	300 W
Number of power module free slots	0
Number of power module filled slots	0
Redundant	No
UPS size	WS
Value multiplier	1

Physical

Depth	83.8 cm
Height	149.1 cm
Mounting preference	No preference
Net weight	662 kg
Mounting mode	Not rack-mountable
Two post mountable	0
USB compatible	No
Width	52.3 cm

Input

Network frequency	40...70 Hz auto-sensing

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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

Number of input connectors	1 hard wire 5-wire (3P + N + E)
Input voltage limits	340...460 V adjustable 400 V 304...477 V
Inputvolt_other	380 V 415 V
Maximum input current	43 A
Switching current capacity	50 A
Input harmonic distortion	Less than 5 % for full load
Input protection type	3-pole circuit breaker
Input voltage	400 V 3 phases
Load power factor	0.5 leading to 0.5 lagging
Cos phi	0.98

Output

Rated power in W	24000 W
Maximum configurable power in W	24000 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 60 Hz sync to mains
Outputvolt_other	380 V 415 V
Crest factor	Unlimited
UPS type	Double conversion online
Wave type	Sine wave
Connections - terminals	1 screw terminals
Output connector type	Hard wire 4-wire (3P + E) 1 Hard wire 5-wire (3P + N + E) 1
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	50 A
Bypass type	Built-in maintenance bypass Built-in static bypass
Curve equation	Efficiency
Curve fixed loss	0.01
Curve load maximum	100 %
Curve load minimum	2 %
Curve proportional loss	0.0176
Curve square loss	0.0134
Curve X-axis maximum	100 %
Curve test cond ID	Curve fit to measured efficiency data. All measurements taken in normal operating mode, at typical environmental conditions, with nominal electrical input and balanced PF = 0.8 output.
Curve X-axis minimum	0 %
Curve X-axis title	Load
Curve X-axis units	Percentage
Curve Y-axis maximum	100 %
Curve Y-axis minimum	50 %
Curve Y-axis title	Efficiency
Curve Y-axis units	Percentage
Efficiency	95.2 % (in battery operation)
Graph display	1
Output voltage	400 V 3 phases
Maximum configurable power in VA	30000 VA
Rated power in VA	30000 VA

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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	3685 Btu/h
Show note OP temperature	No
IP degree of protection	IP51

Batteries & Runtime

Battery type	Lead-acid battery
Number of battery filled slots	4
Number of battery free slots	0
Battery recharge time	5 h
Number of battery replacement quantity	4
Additional information	Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage
Liquid value	0
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%
Battery curve	B
Battery charger power	1965 W rated
Battery power in VAH	9843 VAh runtime
Battery life	3…5 year(s)
Battery option	G35TBXR6B6 1 24636 VAh G35TBXR6B6 2 39329 VAh G35TBXR6B6 3 54382 VAh G35TBXR6B6 4 69213 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

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 Weight	692 kg
Package 1 Height	164.3 cm
Package 1 width	65 cm
Package 1 Length	106.2 cm

Offer Sustainability

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration

Contractual warranty

Warranty	1 year repair or replace

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