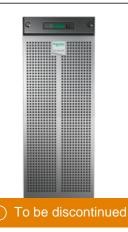
Product data sheet Characteristics

G35T20KH4B4S

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



Commercial status

Discontinued on: 14 January 2021

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

Overview

Lead time	Usually Ships within 2 Weeks	
General		
Provided equipment	Battery modules ship installed Bolt down brackets	

Installation guide
Network management card
Power modules ship installed
Smart UPS signalling RS-232 cable
Start-up service

User manual

CD with software

 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

Performance multiplier

,		⊻.
Depth	84.2 cm	
Height	149 cm	<u>.</u> <u>.</u>
Mounting preference	No preference	
Net weight	627 kg	, and a second s
Mounting mode	Not rack-mountable	
Two post mountable	0	pel
USB compatible	No	i.
Width	52.3 cm	ri Si

Input

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Network frequency	4070 Hz auto-sensing	

Number of input connectors	1 hard wire 5-wire (3P + N + E)	
Input voltage limits	340460 V adjustable 400 V 304477 V	
Inputvolt_other	380 V 415 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	
Input voltage	400 V 3 phases	
Inrush current	200 A peak	
Load power factor	0.5 leading to 0.5 lagging	
Cos phi	0.98	

Output

Output	
Rated power in W	16000 W
Maximum configurable power in W	16000 W
Output frequency	4753 Hz for 50 Hz nominal sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised
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	35 A
Bypass type	Built-in maintenance bypass Built-in static bypass
Curve equation	Efficiency
Curve fixed loss	0.0077
Curve load maximum	100 %
Curve load minimum	1 %
Curve proportional loss	0.024
Curve square loss	0.0166
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	94.9 % (in battery operation)
Graph display	1
Output voltage	400 V 3 phases
Maximum configurable power in VA	20000 VA
Rated 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	040 °C
Relative humidity	095 %
Operating altitude	03333 ft
Ambient air temperature for storage	-1545 °C
Storage Relative Humidity	095 %
Storage altitude	0.0015240.00 m
Acoustic level	51.3 dBA
Heat dissipation	2620 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	В
Battery charger power	1958 W rated
Battery power in VAH	9810 VAh runtime
Battery life	35 year(s)
Battery option	G35TBXR6B6 1 24526 VAh G35TBXR6B6 2 39329 VAh G35TBXR6B6 4 69523 VAh G35TBXR6B6 3 54321 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 : overload continuous tone alarm
Emergency power off	Yes

Packing Units

Package 1 Weight	657 kg	
Package 1 Height	164.3 cm	
Package 1 width	65 cm	
Package 1 Length	106.2 cm	

Offer Sustainability

EU RoHS Directive	Under investigation	

Contractual warranty

Warranty	1 year repair or replace