Product data sheet

Specifications



MGE Galaxy 6000 500 kVA

G6TUPS500

Discontinued on: Sep 20, 2024

To be end-of-service on: Dec 31, 2027

Discontinued - Service only

Overview

Lead time	Special Order - Call for Quoted Lead Times

Main

Main Input Voltage	400 V 3 phases
Other Input Voltage	380 V 400 V 415 V 450 V
Main Output Voltage	400 V 3 phases
Other Output Voltage	380 V 400 V
Rated power in W	400000 W
rated power in VA	500000 VA
Output connector type	Hard wire 4-wire (3P + E) for 1 zone(s) Hard wire 5-wire (3P + N + E) for 1 zone(s) Hard wire 3-wire (3P) for 1 zone(s) Hard wire 4-wire (3P + N) for 1 zone(s) Hard wire 4-wire (3P + PEN) for 1 zone(s)
Battery type	External battery system
Provided equipment	User manual

Batteries & Runtime

Number of battery filled slots	0
Number of battery free slots	0
Additional information	Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage
Battery power in VAH	0 VAh runtime
Extended runtime	0

General

Bypass wiring configuration	4 wire (3P + N) 5 wire (3P + N + E)
Bypass voltage tolerance	+/- 10 % settable from +/- 4/6/8 and 10 %
Max bypass input current	9360 A
Bypass current protection	800 A
Number of power module free slots	0

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 power module filled slots	0
Redundant	No

Physical

Colour	Grey
Height	200 cm
Width	165.2 cm
Depth	84 cm
Net weight	2200 kg
Mounting preference	No preference
USB compatible	No

Input

Network frequency	45...65 Hz auto-sensing
Number of input connectors	1 hard wire 3-wire 1 hard wire 4-wire (3P + E) 1 hard wire 4-wire (3P + N) 1 hard wire 4-wire (3P + PEN) 1 hard wire 5-wire (3P + N + E)
Input voltage limits	340...460 V 400 V
Maximum input current	1219 A
Switching current capacity	1600 A
Max short time withstand current	200 kA
Input protection type	3-pole circuit breaker
Inrush current	200 A peak
Load power factor	0.8
Input Power Factor at Full Load	0.8

Output

Maximum configurable power in W	400000 W
Harmonic distortion	Less than 3 %
Output frequency	50/60 Hz +/- 3 Hz user adjustable +/- 0.1 Hz sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised
Crest factor	3 : 1
Wave type	Sine wave
Output voltage tolerance	+/- 5% static and 100% load step
Output harmonic distortion	< 2% linear load and < 3% non-linear load
Required output current protection	722 A
Neutral output current	1732 A
Bypass type	Built-in static bypass
Efficiency	94 % (full load) 93.9 % (half load)
Maximum output current	1083 A
Maximum configurable power in VA	500000 VA

Transfer time	2 ms typical

Conformance

Product certifications	CE LCIE TÜV
Standards	EN/IEC 62040-2 EN/IEC 62040-3 EN/IEC 62040-1-1 IEC 62040-2 ISO 14001 ISO 9001

Environmental

Ambient air temperature for operation	0…35 °C
Relative humidity	20…80 %
Operating altitude	0...10000 ft
Ambient air temperature for storage	-25…65 °C
Storage Relative Humidity	0…85 %
Storage altitude	0…15240 m
Acoustic level	72 dBA
IP degree of protection	IP20

Communications & Management

Free slots	3
Control panel	Multifunction LCD status and control console
Emergency power off	Optional

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Contractual warranty

Warranty (in months)	12

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

Packaging made with recycled cardboard	No
Packaging without single use plastic	No

Use Again

Repack and remanufacture

Take-back	No

Image of product / Alternate images

Alternative

