

Product data sheet

Specifications



MGE Galaxy 7000 GFC Shore Connect 500KvA

G7TQ500CS

 **Discontinued on:** Oct 18, 2023

 **Discontinued**

Overview

Presentation	Performance 3 phase power protection specially designed for shore connection application, max capability up to 10 products in parallel.
Lead time	Special Order - Call for Quoted Lead Times

Main

Main Input Voltage	415 V 3 phases 480 V 3 phases
Other Input Voltage	450 V
Main Output Voltage	400 V 3 phases 415 V 3 phases
Other Output Voltage	440 V
Rated power in W	450000 W
Rated power in VA	500000 VA
Provided equipment	Installation guide Service manual

Batteries & Runtime

Efficiency	View Efficiency Graph 
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	844 A
Bypass current protection	800 A
Number of power module free slots	0
Number of power module filled slots	0
Redundant	No

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

Physical

Height	190 cm
Width	181.2 cm
Depth	85.5 cm
net weight	1470 kg
Mounting preference	No preference
USB compatible	No

Input

Network frequency	45...65 Hz
Number of input connectors	1 hard wire 5-wire (3P + N + E)
Input voltage limits	340...460 V 400 V
Maximum input current	735 A
Switching current capacity	1000 A
Max short time withstand current	200 kA
Input harmonic distortion	Less than 3 % for full load
Input protection type	3-pole circuit breaker
Inrush current	200 A peak
Load power factor	0.8
Input Power Factor at Full Load	1

Output

Maximum configurable power in W	450000 W
Harmonic distortion	Less than 2 %
Output frequency	50 Hz sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised 60 Hz +/- 0.1 % for 60 Hz nominal unsynchronised
Crest factor	2.5 : 1
Wave type	Sine wave
Output harmonic distortion	< 2% linear load and < 3% non-linear load
Required output current protection	722 A
Neutral output current	938 A
Bypass type	Built-in maintenance bypass
Maximum output current	2369 A
Maximum configurable power in VA	500000 VA

Conformance

Product certifications	CE LCIE
Standards	EN 60950 EN/IEC 62040-2 EN/IEC 62040-3 ISO 14001 ISO 9001

Environmental

Ambient air temperature for operation	0...35 °C
Relative humidity	20...80 %
Operating altitude	0...3333 ft
Ambient air temperature for storage	-25...40 °C
Storage Relative Humidity	20...80 %
Storage altitude	0.0000000000...9144.0000000000 m
Acoustic level	72 dBA
IP degree of protection	IP20

Communications & Management

Free slots	2
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	203 cm
Package 1 Width	96 cm
Package 1 Length	192 cm
Package 1 Weight	1490 kg

Contractual warranty

Warranty	1 year repair or replace
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