

# Product data sheet

Specifications



## Galaxy PWi 120kVA 3:3 Single UPS 380VAC 12 Pulse 384VDC, Start-up 5X8

G3W120SH12PHS

⚠ Discontinued on: Dec 7, 2021

⚠ End-of-service on: Oct 18, 2023

⚠ Discontinued

### Overview

|              |  |
|--------------|--|
| Presentation | A versatile 3:3-phase UPS for facility, industrial and data center applications. Configurable system with a comprehensive range of accessories to meet your application demands. |
| Lead Time    | Usually Ships within 2 Weeks   |

### Main

|                       |  |
|-----------------------|--|
| Main Input Voltage    | 380 V 3 phases   |
| Other Input Voltage   | 400 V  |
| Main Output Voltage   | 380 V 3 phases   |
| Other Output Voltage  | 400 V  |
| Rated Power In W      | 96000 W  |
| Rated Power In Va     | 120000 VA  |
| Output Connector Type | Hard wire 4-wire (3P + E) 1<br>Hard wire 5-wire (3P + N + E) 1 |
| Provided Equipment    | Installation guide<br>User manual                              |

### Batteries & Runtime

|                                |               |
|--------------------------------|---------------|
| Number Of Battery Filled Slots | 0             |
| Number Of Battery Free Slots   | 0             |
| Battery Power In Vah           | 0 VAh runtime |
| Extended Runtime               | 0             |

### General

|                                     |  |
|-------------------------------------|--|
| Product Web Sub-Family              | PWi                                    |
| Bypass Wiring Configuration         | 4 wire (3P + N)<br>5 wire (3P + N + E) |
| Bypass Voltage Tolerance            | +/- 25 %                               |
| Max Bypass Input Current            | 182 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              | 180 cm        |
| Width               | 120 cm        |
| Depth               | 80 cm         |
| Net Weight          | 1250 kg       |
| Mounting Preference | No preference |
| Usb Compatible      | No            |

## Input

|                                  |  |
|----------------------------------|--|
| Network Frequency                | 45...55 Hz   |
| Number Of Input Connectors       | 1 hard wire 4-wire (3P + E)<br>1 hard wire 5-wire (3P + N + E) |
| Input Voltage Limits             | 380 V  |
| Maximum Input Current            | 250 A  |
| Switching Current Capacity       | 250 A  |
| Max Short Time Withstand Current | 36 kA  |
| Input Harmonic Distortion        | Less than 13 % for full load                                   |
| Input Protection Type            | Circuit breaker  |
| Load Power Factor                | 0.8  |
| Input Power Factor At Full Load  | 0.83   |

## Output

|                                    |   |
|------------------------------------|---|
| Maximum Configurable Power In W    | 96000 W   |
| Harmonic Distortion                | Less than 5 %   |
| Output Frequency                   | 50 Hz sync to mains<br>50 Hz +/- 0.1 % unsynchronised |
| Crest Factor                       | 3 : 1   |
| Wave Type                          | Sine wave   |
| Output Voltage Tolerance           | +/- 1% static   |
| Output Harmonic Distortion         | < 3% linear load and < 5% non-linear load             |
| Output Overload Operation          | 10 minutes at 125% and 60 seconds at 150%             |
| Required Output Current Protection | 455 A   |
| Neutral Output Current             | 309.4 A   |
| Bypass Type                        | Built-in maintenance bypass<br>Built-in static bypass |
| Efficiency                         | 90 % (full load)<br>82 % (half load)                  |
| Maximum Output Current             | 455 A   |
| Maximum Configurable Power In Va   | 120000 VA   |

## Conformance

|           |  |
|-----------|--|
| Standards | EN/IEC 62040-1<br>IEC 61000-4-5<br>IEC 62040-2 |
|-----------|--|



## Environmental

|                                       |                   |
|---------------------------------------|-------------------|
| Ambient Air Temperature For Operation | 0...35 °C         |
| Relative Humidity                     | 0...95 %          |
| Operating Altitude                    | 0...3300 ft       |
| Ambient Air Temperature For Storage   | -25...65 °C       |
| Storage Relative Humidity             | 0...95 %          |
| Storage Altitude                      | 0.00...10058.40 m |
| Acoustic Level                        | 65 dBA            |
| Ip Degree Of Protection               | IP20              |

## Communications & Management

|                     |  |
|---------------------|--|
| Free Slots          | 1  |
| 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             | 202.5 cm |
| Package 1 Width              | 93 cm    |
| Package 1 Length             | 133 cm   |
| Package 1 Weight             | 1330 kg  |

## Contractual warranty

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



## Sustainability

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Eu Rohs Directive

Under investigation

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