



FRONIUS GALVO

/ Power generation that lasts.



/ Fast PC board replacement



/ SnapINverter Mounting system



/ Wi-Fi** on board



/ AFCI & NEC 2014 Ready



/ Smart Grid Ready

/ The Fronius Galvo is the first Wi-Fi** enabled, super lightweight residential inverter that disrupts the residential solar market by providing a list of features never before seen in the solar industry. With the revolutionary Fronius SnapINverter hinge mounting system, which allows for a single person installation in record time, it is no wonder that installers are demanding the Fronius Galvo more than any other string inverter currently available. The Fronius Galvo provides an extra wide voltage window allowing for utmost flexibility in string design.

/ System owners are amazed by the attractive new low-profile design, integrated Wi-Fi** with included Fronius Solar.web monitoring portal and Fronius smart phone app, the touch sensitive display, and quiet high-performance. The new Fronius Galvo creates convenience and sets the industry standard in installation, service and overall ownership.

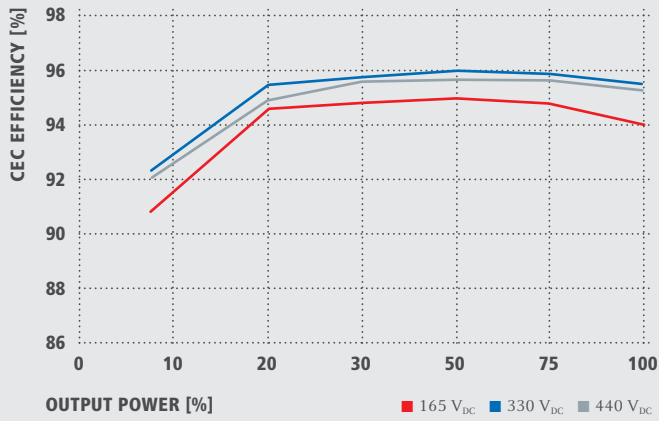
TECHNICAL DATA FRONIUS GALVO

| INPUT DATA | | GALVO 1.5-1 | GALVO 2.0-1 | GALVO 2.5-1 | GALVO 3.1-1 |
|----------------------------------|-------|---|-------------|---------------|-------------|
| Recommended PV Power (kWp) | | 1.2 - 2.4 | 1.6 - 3.2 | 2.0 - 3.8 | 2.5 - 4.5 |
| Max. usable input current | 240 V | 13.4 A | 17.9 A | 16.1 A | 20.0 A |
| | 208 V | 13.4 A | 17.0 A | 16.1 A | 18.7 A |
| Max. array short circuit current | | 20.1 A | 26.8 A | 24.1 A | 30.1 A |
| Nominal input voltage | | 260 V | | 330 V | |
| Operating voltage range | | 120 V - 420 V | | 165 V - 550 V | |
| DC startup voltage | | 140 V | | 185 V | |
| MPP Voltage Range | | 120 V - 335 V | | 165 V - 440 V | |
| Max. Input Voltage | | 420V | | 550V | |
| Admissible conductor size (DC) | | AWG 14 to AWG 6 - CU / AWG 6 - AL - solid | | | |
| Number of MPPT | | 1 | | | |

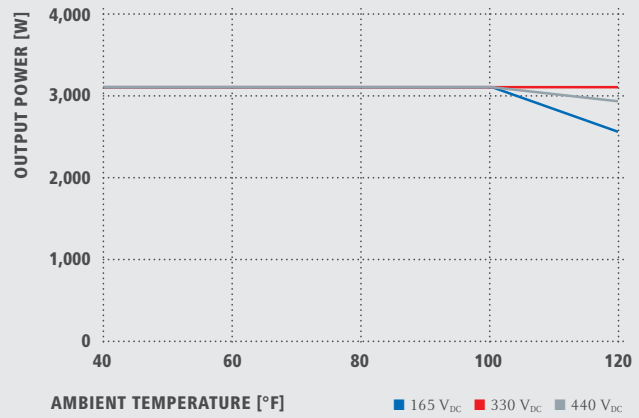
| OUTPUT DATA | | GALVO 1.5-1 | GALVO 2.0-1 | GALVO 2.5-1 | GALVO 3.1-1 |
|--------------------------------------|------|-------------------------------------|-------------|-------------|-------------|
| Nominal output power | 208V | 1,500 VA | 2,000 VA | 2,500 VA | 3,100 VA |
| Max. output power | 208V | 1,500 VA | 2,000 VA | 2,500 VA | 3,100 VA |
| Max. output power | 240V | 1,500 VA | 2,000 VA | 2,500 VA | 3,100 VA |
| Output Configuration | | 208/240 V | | | |
| Frequency range (adjustable) | | 45-65 Hz | 45-65 Hz | 45-65 Hz | 45-65 Hz |
| Nominal operating frequency | | 60 Hz | 60 Hz | 60 Hz | 60 Hz |
| Admissible conductor size (AC) | | AWG 14 to AWG 6 - CU/AWG 6-AL-solid | | | |
| Total harmonic distortion | | <4% | | | |
| Power factor range | | 0,85-1 ind./cap | | | |
| Max. continuous output current 208 V | | 7.2 A | 9.1 A | 12.0 A | 14.1 A |
| Max. continuous output current 240 V | | 6.3 A | 8.3 A | 10.4 A | 12.9 A |
| OCPD/AC breaker size | | 10.0 A | 15.0 A | 15.0 A | 20.0 A |
| Max. efficiency | | 95.8% | 95.8% | 96.0% | 96.0% |
| CEC efficiency 208 V | | 94.0% | 94.5% | 95.0% | 95.0% |
| CEC efficiency 240 V | | 94.5% | 94.5% | 95.0% | 95.5% |

*The term Wi-Fi® is a registered trademark of the Wi-Fi Alliance.

FRONIUS GALVO 3.1-1 CEC EFFICIENCY CURVE



FRONIUS GALVO 3.1-1 TEMPERATURE DERATING



TECHNICAL DATA FRONIUS GALVO

| GENERAL DATA | GALVO 1.5-1 | GALVO 2.0-1 | GALVO 2.5-1 | GALVO 3.1-1 |
|--|--|-------------|-------------|-------------|
| Dimensions (height x width x depth) | 24.7 x 16.9 x 8.1 in. | | | |
| Weight | 36.05 lbs. | | 36.93 lbs. | |
| Protection Class | NEMA 4X | | | |
| Night time consumption | < 1 W | | | |
| Inverter topology | HF transformer | | | |
| Cooling | Variable speed fan | | | |
| Ambient operating temperature range | -40 - 122°F (-40 - 50°C) | | | |
| Permitted relative humidity | 0 to 100% (non-condensing) | | | |
| Elevation | 11483 ft (3500m) with a max. input voltage of 430 V DC | | | |
| Certificates and compliance with standards | UL 1741-2010, UL1998 (for functions: AFCI, GFDI and isolation monitoring), IEEE 1547-2003, IEEE 1547.1-2003, ANSI/IEEE C62.41, FCC Part 15 A & B, NEC Article 690, C22. 2 No. 107.1-01 (September 2001), UL1699B Issue 2 -2013, CSA TIL M-07 Issue 1 -2013 | | | |
| DC connection terminals | 3x DC+ and 3x DC- screw terminals for solid copper or aluminium and stranded/fine stranded copper | | | |

| PROTECTION DEVICES | GALVO 1.5-1 | GALVO 2.0-1 | GALVO 2.5-1 | GALVO 3.1-1 |
|--|---|-------------|-------------|-------------|
| DC reverse polarity protection | Yes | | | |
| Anti islanding | Internal; in accordance with UL 1741-2010, IEEE 1547-2003 and NEC | | | |
| Over temperature protection | Output power derating/ Active cooling | | | |
| AFCI | Internal AFCI Type 1 (Arc Fault Circuit Interrupter) in accordance with UL 1699B Issue 2-2003 and CSA TIL M-07 Issue 1-2003 | | | |
| Rapid shutdown compliant | Yes (according to NEC 2014) | | | |
| Ground fault protection with isolation monitor interrupter | Integrated GFDI (Ground Fault Detector/Interrupter) in accordance with UL 1741-2010 and NEC 2014 (negative grounding) | | | |
| DC disconnect | Included | | | |
| Overload behavior | Operating point shift, power limitation | | | |
| DC operation modes | Ungrounded/neg. grounding in accordance with NEC 2014. Positive grounding in accordance with NEC 2011 | | | |

| INTERFACES | GALVO 1.5-1 | GALVO 2.0-1 | GALVO 2.5-1 | GALVO 3.1-1 |
|-----------------------------|---|-------------|-------------|-------------|
| USB (A socket) | Datalogging and inverter update possible via USB | | | |
| 2x RS422 (RJ45 socket) | Fronius Solar Net | | | |
| Wifi*/Ethernet LAN | Wireless standard 802.11b/g/n/Fronius Solar.web, SunSpec Modbus TCP, JSON | | | |
| Datalogger and webserver | Included | | | |
| Serial RS485 | SunSpec Modbus RTU | | | |
| 6 inputs and 4 digital I/Os | Load management; signaling, multipurpose I/O | | | |

/ Perfect Welding / Solar Energy / Perfect Charging

WE HAVE THREE DIVISIONS AND ONE PASSION: SHIFTING THE LIMITS OF POSSIBILITY.

/ Whether welding technology, photovoltaics or battery charging technology – our goal is clearly defined: to be the innovation leader. With around 3,700 employees worldwide, we shift the limits of what's possible - our record of over 800 granted patents is testimony to this. While others progress step by step, we innovate in leaps and bounds. Just as we've always done. The responsible use of our resources forms the basis of our corporate policy.

Further information about all Fronius products and our global sales partners and representatives can be found at www.fronius.com



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