



- ▼ Grid-connected PV inverters
  - ▶ Fronius IG
  - ▼ Fronius IG Plus
    - ▶ Fronius IG Plus 3.0-1 uni - 3.8-1 uni
    - ▶ Fronius IG Plus 5.0-1 uni - 7.5-1 uni
    - ▼ Fronius IG Plus 10.0-1 uni, 11.4-1 uni, 11.4-3 Delta and 12.0-3 WYE277
      - ▶ System monitoring and datalogging
      - ▶ Training and Webinars
      - ▶ Warranty Information

Products | Grid-connected PV inverters | Fronius IG Plus | Fronius IG Plus 10.0-1 uni, 11.4-1 uni, 11.4-3 Delta and 12.0-3 WYE277

## Fronius IG Plus 10.0-1 uni - 11.4-1 uni, 11.4-3 Delta, 12.0-3 WYE 277



[Zoom](#)

- + Maximum Earnings Security
- + Highest Reliability
- + First Universal Inverter

This three power stage inverter is available in 10.0, 11.4 and 12.0 kW. Best suited for large residential and commercial applications.

Available IG Plus Three Stage Inverters:

- 10.0-1 UNI
- 11.4-1 UNI
- 11.4-3 Delta
- 12.0-3 WYE277

[Operating Manual](#)

- Technical Data
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### Technical Data

Fronius IG Plus	10.0-1 UNI	11.4-1 UNI	11.4-3 Delta	12.0-3 WYE277
<b>Input data</b>				
Recommended PV-Power (Wp)	8500-11500	9700-13100	9700-13100	10200-13800
MPPT-Voltage range	230 - 500 V			
Max. Input voltage range (at 1000 W/m <sup>2</sup> 14°F (-10°C) in open circuit operation)	600 V			
Nominal Input Current	27.6 A	31.4 A	31.4 A	33.1 A
Max. usable Input Current	46.7 A	53.3 A	53.3 A	56.1 A
Admissible conductor size (DC)	No. 14-6 AWG			
<b>Output data</b>				
Nominal output power (PAC nom)	9995 W	11400 W	11400 W	12000 W
Max. continuous output power 104°F (40°C) 208 V / 240 V / 277 V	9995 W	11400 W	11400 W	12000 W
Nominal AC output voltage	208 V / 240 V / 277 V		208 V / 240 V	277 V
Operating AC voltage range (default)	208 V                      183 - 229 V (-12 / +10 %) 240 V                      211 - 264 V (-12 / +10 %) 277 V                      244 - 305 V (-12 / +10 %)			
<b>Maximum continuous output current</b>				
208 V	48.1 A	54.8 A	31.6 A*	n.a.
240 V	41.7 A	47.5 A	27.4 A*	n.a.

277 V	36.1 A	41.2 A	n.a.	14.4 A*
Admissible conductor size (AC)	No. 14 - 4 AWG			
Max. continuous utility back feed current	0 a			
Nominal frequency	60 Hz			
Operating frequency range	59.3 - 60.5 Hz			
Total harmonic distortion	< 3 %			
Power factor	1			
<b>General data</b>				
Max. Efficiency	96.2 %			
CEC Efficiency				
208 V	95.0 %	95.5 %	95.0 %	n.a.
240 V	95.5 %	96.0 %	95.5 %	n.a.
277 V	96.0 %	96.0 %	n.a.	96.0 %
Consumption in standby (night)	< 1 W			
Consumption during operation	22 W			
Cooling	Controlled forced ventilation, variable fan speed			
Enclosure Type	NEMA 3R			
Unit Dimensions (W x H x D)	17.1 x 48.1 x 9.6. in.			
Power Stage Weight	82 lbs. (37 kg)			
Wiring Compartment Weight	26 lbs. (12 kg)			
Admissing ambient operating temperature	-4 ... 122°F (-20 ... + 50°C)			
Compliance	UL 1741-2005, IEEE1547-2003, IEEE 1547.1, ANSI/IEEE C62.41, FCC Part 15 A&B, NEC Article 690, C22. 2 No. 107.1-01 (Sept. 2001)			
<b>Safety equipment</b>				
Ground fault protexion	Internal GFDI (Ground Fault Detector/Interrupter); in accordance with UL 1741-2005 and NEC Art. 690			
DC reverse polarity protevtion	Internal diode			
Islanding protection	Internal; in accordance with UL 1741-2005, IEEE 1547-2003 and NEC			
Over temperature	Output power derating / active cooling			

\* per Phase The right to make technical modifications is reserved.