



RELIABLE – EVEN WHEN THE SUN IS NOT SHINNING

## Fronius IG 15, IG 20

### STRING INVERTERS

Thanks to the Fronius Module-Manager™ (MPP tracker), the Fronius IG 15, IG 20 inverters always find the optimal operating point even under changing sunlight conditions. Thus, they reliably deliver maximum output regardless of the ambient conditions. The easy-to-read display with simple menu navigation provides information on the system status at any time.

#### HIGHLIGHTS

- Suitable for all module types with phase grounding, especially for thin-film modules
- Maximum efficiency of 94.3%
- Fronius Module-Manager™ ensures efficient MPP tracking
- Optimum system monitoring and reliable and simple visualization with comprehensive FRONIUS IG DatCom upgrades
- Simple, self-explanatory display
- 5-year product warranty – optional extension to 20 years\*

## TECHNICAL DATA

Fronius IG	15 Indoor	15 Outdoor	20 Indoor	20 Outdoor
<b>Input</b>				
DC-nominal power (W)	1400	1400	1940	1940
Max. input current (A)	10,75	10,75	14,34	14,34
Max. input voltage(V)	500	500	500	500
Max. MPP-voltage (V)	400	400	400	400
Min. MPP-voltage at nominal Uac (V)	150	150	150	150
<b>Output</b>				
AC-nominal power (VA)	1300	1300	1800	1800
Power factor (cos phi)	1	1	1	1
Min. AC frequency (Hz)	49,8	49,8	49,8	49,8
Max. AC frequency (Hz)	50,2	50,2	50,2	50,2
Min. AC grid voltage (V)	195	195	195	195
Max. AC grid voltage (V)	253	253	253	253
number of grid input phases	1	1	1	1
<b>Degree of efficiency</b>				
Max. efficiency (%)	94,2	94,2	94,3	94,3
Euro. efficiency (%)	91,4	91,4	92,3	92,3
Operating consumption in night mode (W)	0	0	0	0
<b>Security</b>				
Technology	TRANSFORMER	TRANSFORMER	TRANSFORMER	TRANSFORMER
<b>Conditions</b>				
Ambient temperature (°C)	-20 TO +50	-20 TO +50	-20 TO +50	-20 TO +50
Humidity (%)	0 TO 95	0 TO 95	0 TO 95	0 TO 95
<b>Equipment</b>				
Type of DC-connector	CLAMP	MC4	CLAMP	MC4
DC switch	NO	NO	NO	NO
Protection rating (IP)	21	45	21	45
Width (mm)	344	435	344	435
Height (mm)	366	500	366	500
Depth (mm)	220	225	225	225
Weight (kg)	9	12	9	12
Output cross section (mm <sup>2</sup> )	10	10	10	10
Article number	3000200005	3000200006	3000200012	3000200013

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Your IBC SOLAR partner:

\* The complete warranty conditions are binding as per your relevant version. Corresponding copy can be requested from your IBC SOLAR partner. Electrical values under standard test conditions: 1000W/m<sup>2</sup>, 25°C, AM 1.5. Subject to modifications that represent progress.