

STRING INVERTERS

Fronius IG 15, 20, 30



PRODUCT ADVANTAGES:

Convincing graphic display

Simple and fast installation

Utmost reliability in terms of functionality

Module Manager™ ensures efficient MPP tracking

Secure and simple visualization and monitoring with comprehensive FRONIUS IG DatCom upgrades



FRONIUS IG Indoor

FRONIUS IG Outdoor

TECHNICAL DATA

Fronius		IG 15	IG 20	IG 30
Input data				
MPP voltage range	V	150–400	150–400	150–400
Max. input voltage (at 1,000 W/m ² ; –10 °C)	V	500	500	500
PV system output	Wp	1300–2000	1800–2700	2500–3600
Max. input current	A	10.8	14,3	19
DC plug connectors, indoors		no (screw terminals)	no (screw terminals)	no (screw terminals)
DC plug connectors, outdoors		1 x MC4	1 x MC4	1 x MC4
Output data				
Rated output	W	1300	1800	2500
Max. output power	W	1500	2000	2650
Max. efficiency	%	94,2	94,3	94,3
Euro efficiency	%	91,4	92,3	92,7
Grid voltage/frequency	V/Hz	230/50	230/50	230/50
Distortion factor	%	<3,5	<3,5	<3,5
Power factor cos φ		1	1	1
Own consumption (at night)	W	0	0	0
Protective equipment				
DC isolation monitoring	kOhm	Warning if R _{iso} <500	Warning if R _{iso} <500	Warning if R _{iso} <500
Reverse polarity protection		integrated	integrated	integrated
Behavior under DC overload		Operating point displacement	Operating point displacement	Operating point displacement
General data				
Dimensions (L x W x H), indoors	mm	366 x 344 x 220	366 x 344 x 220	366 x 344 x 220
Dimensions (L x W x H), outdoors	mm	500 x 435 x 225	500 x 435 x 225	500 x 435 x 225
Weight indoor	kg	9	9	9
Weight outdoor	kg	12	12	12
Cooling		Controlled forced ventilation	Controlled forced ventilation	Controlled forced ventilation
Housing varieties		Designer interior housing; optional outer housing	Designer interior housing; optional outer housing	Designer interior housing; optional outer housing
Ambient temperature range	°C	–20 ... +50	–20 ... +50	–20 ... +50
Permissible humidity	%	0 ... 95	0 ... 95	0 ... 95
Article numbers				
FRONIUS IG 15 Indoor		300020015SI		
FRONIUS IG 15 Outdoor		300020015SO		
FRONIUS IG 20 Indoor			300020020SI	
FRONIUS IG 20 Outdoor			300020020SO	
FRONIUS IG 30 Indoor				300020030SI
FRONIUS IG 30 Outdoor				300020030SO

Electrical values under standard test conditions: 1000 W/m²; 25 °C; AM 1.5. Subject to modifications that represent progress.