

STRING INVERTERS

Fronius IG 40, IG 60 HV



PRODUCT ADVANTAGES:

Convincing graphic display

Simple and fast installation

Utmost reliability in terms of functionality

Module Manager™ ensures efficient MPP tracking

MIX™ concept permits a higher electricity yield upon partial load

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



FRONIUS IG Indoor

FRONIUS IG Outdoor

TECHNICAL DATA

Fronius		IG 40	IG 60 HV
Input data			
MPP voltage range	V	150–400	150–400
Max. input voltage (at 1000 W/m ² ; -10 °C)	V	500	530
PV system output	Wp	3500–5500	4600–6700
Max. input current	A	29,4	35,8
DC plug connectors, indoors		no, screw terminals	no, screw terminals
DC plug connectors, outdoors		2 x MC 4	2 x MC 4
Output data			
Rated output	W	3500	4600
Max. output power	W	4100	5000
Max. efficiency	%	94,3	94,3
Euro efficiency	%	93,5	93,5
Grid voltage/frequency	V/Hz	230/50	230/50
Distortion factor	%	<3,5	<3,5
Power factor cos φ		1	1
Own consumption (at night)	W	0	0
Protective equipment			
DC isolation monitoring	kOhm	Warning if R _{iso} < 500	Warning if R _{iso} < 500
Reverse polarity protection		integrated	integrated
Behavior under DC overload		Operating point displacement	Operating point displacement
General data			
Dimensions (L x W x H), indoors	mm	610 x 344 x 220	610 x 344 x 220
Dimensions (L x W x H), outdoors	mm	733 x 435 x 225	733 x 435 x 225
Weight indoor	kg	16	16
Weight outdoor	kg	20	20
Cooling		Controlled forced ventilation	Controlled forced ventilation
Housing varieties		Designer interior housing; optional outer housing	Designer interior housing; optional outer housing
Ambient temperature range	°C	-20 ... +50	-20 ... +50
Permissible humidity	%	0 ... 95	0 ... 95
Article numbers			
FRONIUS IG 40 Indoor		300020040SI	
FRONIUS IG 40 Outdoor		300020040SO	
FRONIUS IG 60 HV Indoor			300020060SI
FRONIUS IG 60 HV Outdoor			300020060SO

* The complete and individual valid guarantee conditions are relevant, which will be handed out by your IBC-representative on request.

Subject to modifications that represent progress.