



Photovoltaic Systems:

Grid Connected





CONFIGURATION FOR 1,68kWp GRID CONNECTED SYSTEM, WITH MODULES H1540-140Wp

BASIS OFFER:

N.	12	MODULES	H1540 – 140Wp	total 1680Wp
N.	1	INVERTER	FRONIUS IG15	with display

OPTIONS:

N.	1	Integrated COM card for PC communication.		
N.	1	Integrated Datalogger card for data acquisition.		
N.	1	Integrated Sensor card for data acquisition from external sensor.		
N.	1	PT1000 sensor for modules temperature.		
N.	1	Sensor for solar radiation.		

MODULES CONFIGURATION:

The **INVERTER IG15** will be connected with the following configuration

12 modules series connected to one string for a total of $12 \times 140\text{Wp} = 1680\text{Wp}$.

TOTAL SURFACE:

$$12 \times 1,173\text{m}^2 = 14,076\text{m}^2$$

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CONFIGURATION FOR 1,82kWp GRID CONNECTED SYSTEM, WITH MODULES H1540-140Wp

BASIS OFFER:

N.	13	MODULES	H1540 – 140Wp	total 1820Wp.
N.	1	INVERTER	FRONIUS IG15	with display.

OPTIONS:

N.	1	Integrated COM card for PC communication.
N.	1	Integrated Datalogger card for data acquisition.
N.	1	Integrated Sensor card for data acquisition from external sensors.
N.	1	PT1000 sensor for modules temperature.
N.	1	Sensor for solar radiation

MODULES CONFIGURATION:

The **INVERTER IG15** will be connected with the following configuration:

13 modules series connected to one string for a total of $13 \times 140\text{Wp} = 1820\text{Wp}$.

TOTAL SURFACE:

$$13 \times 1,173\text{m}^2 = 15,249\text{m}^2$$



CONFIGURATION FOR 2,38kWp GRID CONNECTED SYSTEM, WITH MODULES H1540-140Wp

BASIS OFFER:

N.	17	MODULES	H1540 – 140Wp	total 2380Wp.
N.	1	INVERTER	FRONIUS IG20	with display.

OPTIONS:

N.	1	Integrated COM card for PC communication.		
N.	1	Integrated Datalogger card for data acquisition.		
N.	1	Integrated Sensor card for data acquisition from external sensors.		
N.	1	PT1000 sensor for modules temperature.		
N.	1	Sensor for solar radiation		

MODULES CONFIGURATION:

The **INVERTER IG20** will be connected with the following configuration:

17 modules connected in series to one string for a total of $17 \times 140Wp = 2380Wp$

TOTAL SURFACE:

$$17 \times 1,173m^2 = 19,941m^2$$

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CONFIGURATION FOR 2,52kWp GRID CONNECTED SYSTEM, WITH MODULES H1540-140Wp

BASIS OFFER:

N.	18	MODULES	H1540 – 140Wp	total 2520Wp.
N.	1	INVERTER	FRONIUS IG20	with display.

OPTIONS:

N.	1	Integrated COM card for PC communication.
N.	1	Integrated Datalogger card for data acquisition.
N.	1	Integrated Sensor card for data acquisition from external sensors.
N.	1	PT1000 sensor for modules temperature.
N.	1	Sensor for solar radiation

MODULES CONFIGURATION:

The **INVERTER IG20** will be connected with the following configuration:

18 modules connected in series to one string for a total of $18 \times 140\text{Wp} = 2520\text{Wp}$

TOTAL SURFACE:

$$18 \times 1,173\text{m}^2 = 21,114\text{m}^2$$

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CONFIGURATION FOR 3,08kWp GRID CONNECTED SYSTEM, WITH MODULES H1500-110Wp

BASIS OFFER:

N.	28	MODULES	H1500 – 110Wp	total 3080Wp.
N.	1	INVERTER	FRONIUS IG30	with display.

OPTIONS:

N.	1	Integrated COM card for PC communication.		
N.	1	Integrated Datalogger card for data acquisition.		
N.	1	Integrated Sensor card for data acquisition from external sensors.		
N.	1	PT1000 sensor for modules temperature.		
N.	1	Sensor for solar radiation		

MODULES CONFIGURATION:

The **INVERTER IG30** will be connected with the following configuration:

14 modules connected in series to two strings for a total of $28 \times 110\text{Wp} = 3080\text{Wp}$

TOTAL SURFACE:

$$28 \times 1,0557\text{m}^2 = 29,56\text{m}^2$$

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CONFIGURATION FOR 3,36kWp GRID CONNECTED SYSTEM, WITH MODULES H1500-110Wp

BASIS OFFER:

N.	24	MODULES	H1540 – 140Wp	total 3360Wp.
N.	1	INVERTER	FRONIUS IG30	with display.

OPTIONS:

N.	1	Integrated COM card for PC communication.		
N.	1	Integrated Datalogger card for data acquisition.		
N.	1	Integrated Sensor card for data acquisition from external sensors.		
N.	1	PT1000 sensor for modules temperature.		
N.	1	Sensor for solar radiation		

MODULES CONFIGURATION:

The **INVERTER IG30** will be connected with the following configuration:

24 modules connected in series to two strings for a total of $24 \times 140\text{Wp} = 3360\text{Wp}$

TOTAL SURFACE:

$$24 \times 1,173\text{m}^2 = 28,15\text{m}^2$$

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CONFIGURATION FOR 5,04kWp GRID CONNECTED SYSTEM, WITH MODULES H1540-140Wp

BASIS OFFER:

N.	36	MODULES	H1540 – 140Wp	total 5040Wp.
N.	1	INVERTER	FRONIUS IG40	with display.

OPTIONS:

N.	1	Integrated COM card for PC communication.
N.	1	Integrated Datalogger card for data acquisition.
N.	1	Integrated Sensor card for data acquisition from external sensors.
N.	1	PT1000 sensor for modules temperature.
N.	1	Sensor for solar radiation

MODULES CONFIGURATION:

The **INVERTER IG40** will be connected with the following configuration:

18 modules connected in series to two strings for a total of $36 \times 140\text{Wp} = 5040\text{Wp}$

TOTAL SURFACE:

$$36 \times 1,173\text{m}^2 = 42,23\text{m}^2$$

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CONFIGURATION FOR 7,14kWp GRID CONNECTED SYSTEM, WITH MODULES H1540-140Wp

BASIS OFFER:

N.	51	MODULES	H1540 – 140Wp	total 7140Wp.
N.	3	INVERTER	FRONIUS IG20	with display.
N.	1	INTERFACE DEVICE		DV604.

OPTIONS:

N.	3	Integrated COM card for PC communication.		
N.	1	Integrated Datalogger card for data acquisition.		
N.	1	Integrated Sensor card for data acquisition from external sensors.		
N.	1	PT1000 sensor for modules temperature.		
N.	1	Sensor for solar radiation		

MODULES CONFIGURATION:

Each **INVERTER IG20** will be connected with the following configuration:

17 modules connected in series to one strings for a total of $17 \times 140\text{Wp} = 2380\text{Wp}$

TOTAL: $3 \times 2380\text{Wp} = 7140\text{Wp}$.

TOTAL SURFACE:

$$51 \times 1,173\text{m}^2 = 59,823\text{m}^2$$

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CONFIGURATION FOR 7,56kWp GRID CONNECTED SYSTEM, WITH MODULES H1540-140Wp

BASIS OFFER:

N.	54	MODULES	H1540 – 140Wp	total 7560Wp.
N.	3	INVERTER	FRONIUS IG30	with display.
N.	1	INTERFACE DEVICE		DV604.

OPTIONS:

N.	3	Integrated COM card for PC communication.
N.	1	Integrated Datalogger card for data acquisition.
N.	1	Integrated Sensor card for data acquisition from external sensors.
N.	1	PT1000 sensor for modules temperature.
N.	1	Sensor for solar radiation

MODULES CONFIGURATION:

Each **INVERTER IG20** will be connected with the following configuration:

18 modules connected in series to one string for a total of $18 \times 140\text{Wp} = 2520\text{Wp}$

TOTAL: $3 \times 2520\text{Wp} = 7560\text{Wp}$.

TOTAL SURFACE:

$$54 \times 1,173\text{m}^2 = 63,342\text{m}^2$$



CONFIGURATION FOR 10,08kWp GRID CONNECTED SYSTEM, WITH MODULES H1540-140Wp

BASIS OFFER:

N.	72	MODULES	H1540 – 140Wp	total 10080Wp.
N.	3	INVERTER	FRONIUS IG30	with display.
N.	1	INTERFACE DEVICE		DV604

OPTIONS:

N.	3	Integrated COM card for PC communication.
N.	1	Integrated Datalogger card for data acquisition.
N.	1	Integrated Sensor card for data acquisition from external sensors.
N.	1	PT1000 sensor for modules temperature.
N.	1	Sensor for solar radiation.

MODULES CONFIGURATION:

Each **INVERTER IG30** will be connected with the following configuration:

12 modules series connected to two strings of 24 x 140Wp = 3360Wp.

TOTAL: 3 x 3360Wp = 10080Wp

TOTAL SURFACE:

$72 \times 1,173\text{m}^2 = 84,456\text{m}^2$

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CONFIGURATION FOR 15,12kWp GRID CONNECTED SYSTEM, WITH MODULES H1540-140Wp

BASIS OFFER:

N.	108	MODULES	H1540 – 140Wp	total 15120Wp.
N.	3	INVERTER	FRONIUS IG40	with display.
N.	1	INTERFACE DEVICE	DV604	

OPTIONS:

N.	3	Integrated COM card for PC communication.
N.	1	Integrated Datalogger card for data acquisition.
N.	1	Integrated Sensor card for data acquisition from external sensors.
N.	1	PT1000 sensor for modules temperature.
N.	1	Sensor for solar radiation

MODULES CONFIGURATION:

Each **INVERTER IG40** will be connected with the following configuration:

18 modules connected in series to two strings for a total of $36 \times 140Wp = 5040Wp$

TOTAL POWER: $3 \times 5040Wp = 15120Wp$

TOTAL SURFACE:

$108 \times 1,173m^2 = 126,684m^2$

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CONFIGURATION FOR 19,575kWp GRID CONNECTED SYSTEM, WITH MODULES H1540-145Wp

BASIS OFFER:

N.	136	MODULES	H1540 – 145Wp	total 19575Wp.
N.	3	INVERTER	FRONIUS IG60	with display.
N.	1	INTERFACE DEVICE		DV604.

OPTIONS:

N.	3	Integrated COM card for PC communication.
N.	1	Integrated Datalogger card for data acquisition.
N.	1	Integrated Sensor card to data acquisition from external sensors.
N.	1	PT1000 sensor for modules temperature.
N.	1	Sensor for solar radiation

MODULES CONFIGURATION:

Each **INVERTER IG60** will be connected with the following configuration:

15 modules connected in series to three strings for a total of $45 \times 145\text{Wp} = 6525\text{Wp}$

TOTAL: $3 \times 6525\text{Wp} = 19575\text{Wp}$.

TOTAL SURFACE:

$135 \times 1,173\text{m}^2 = 158,355\text{m}^2$

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CONFIGURATION FOR 20,16KWp GRID CONNECTED SYSTEM, WITH MODULES H1540-140Wp

BASIS OFFER:

N.	144	MODULES	H1540 – 140Wp	total 20160Wp.
N.	6	INVERTER	FRONIUS IG30	with display.
N.	1	INTERFACE DEVICE		DV604.

OPTIONS:

N.	6	Integrated COM card for PC communication.
N.	1	Integrated Datalogger card for data acquisition.
N.	1	Integrated Sensor card to data acquisition from external sensors.
N.	1	PT1000 sensor for modules temperature.
N.	1	Sensor for solar radiation

MODULES CONFIGURATION:

Each **INVERTER IG30** will be connected with the following configuration:

12 modules connected in series to two strings for a total of $24 \times 140Wp = 3360Wp$

TOTAL: $6 \times 3360Wp = 20160Wp$.

TOTAL SURFACE:

$$144 \times 1,173m^2 = 168,912m^2$$

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