PVSYST V6.43 06/03/18

## Grid system presizing

**Geographical Site** Juiz de Fora - IF Country Brazil Longitude 43.4°W Latitude 21.8°S Situation Time defined as Solar Time Altitude 688 m

0° **Collector Plane Orientation** Tilt 30° Azimuth

### PV-field installation main features

Module type Standard

Polycrystalline cells Flat roof Technology

Mounting method

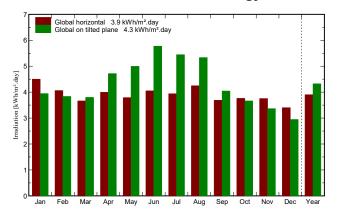
Back ventilation properties No ventilation

# System characteristics and pre-sizing evaluation

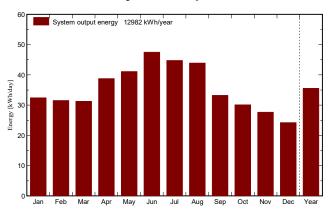
PV-field nominal power (STC)Pnom 10.0 kWp Collector area Acoll 67 m<sup>2</sup>

Eyear 13.0 MWh Specific yield 1298 kWh/kWp Annual energy yield Eyear 13.0 MWh Specific yield 1298 kWh/kWp Economic gross evaluatibnvestment81902 Real Energy price 0.65 Real/kWh

### Meteo and incident energy



### System output



	Gl. horiz.	Coll. Plane	System output	System output
	kWh/m².day	kWh/m².day	kWh/day	kWh
Jan.	4.50	3.94	32.44	1006
Feb.	4.06	3.83	31.55	883
Mar.	3.66	3.80	31.25	969
Apr.	4.00	4.72	38.79	1164
May	3.79	5.00	41.10	1274
June	4.05	5.77	47.50	1425
July	3.93	5.44	44.78	1388
Aug.	4.25	5.33	43.89	1361
Sep.	3.68	4.04	33.24	997
Oct.	3.76	3.66	30.11	933
Nov.	3.75	3.36	27.68	830
Dec.	3.40	2.95	24.25	752
Year	3.90	4.32	35.57	12982