

SolarCalc – report

Site

Municipality	Napoli	
Latitude	40.8539	40°51'14"
Longitude	14.2506	14°15'2"
Albedo	0	
Wind velocity	0 m/s	

Radiation model

Correlation model	UNI 8477
Shadow integration	Direct integration
Source	ENEA SolarEnergy

Tilt	30.6°
Azimuth	0°
Area	44.03m ²
Type	Tilt Fisso
Mounting	Su guida - m
Concentration ratio	1

Radiation	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
[MJ/m ²]	11.3423	13.3648	16.9324	18.8103	20.6444	21.5442	21.7879	20.8951	18.0839	15.9234	12.3756	10.5507

System

PV module	ISTAR	IS4000P
Peak power of the module	200 W _p	13.6272 %
Voc,Isc	32.8 V	8.23 A
Num. of moduels, Total installed power	31	6200 W _p
Inverter	-	- %
Thermal losses	0 %	
BOS		0 %

Energy yield (monthly mean)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
[kWh]	586.026	645.974	874.85	940.524	1066.64	1077.22	1125.72	1079.59	904.206	822.718	618.787	545.125

Yealy total **10287.4 kWh**

Solar diagram Napoli

