

Project: 35 kW PV plant Mosciano S.A.

Type of installation: raw land

Location: 42°38'44" North, 13°40'41" East, Elevation: 324 m a.s.l. Nearest city: Teramo, Italy (0 km away)		
Nominal power of the PV system: 1.0 kW (crystalline silicon)		
Inclination of modules: 34.0°		
Orientation (azimuth) of modules: 0.0°		
Estimated losses due to temperature: 8.2% (using local ambient temperature data)		
Estimated loss due to angular reflectance effects: 2.7%		
Other losses (cables, inverter etc.): 3.5%		
Combined PV system losses: 14.4% (*)		
Results for: Nominal power=1.0 kW, System losses=3.0%		
	Inclin.=34 deg., Orient.=0 deg.	
Month	Production per month (kWh)	Production per day (kWh)
Jan	72	2.03
Feb	81	2.09
Mar	121	3.09
Apr	144	4.08
May	148	4.08
Jun	154	5.01
Jul	167	5.04
Aug	162	5.02
Sep	138	4.06
Oct	116	3.07
Nov	75	2.05
Dec	58	1.09
Year	1191	3.09
Total yearly production (kWh)		1.433

(*) includes a loss of 8,2 % due to temperature effect

data from interactive maps found on IES (Institute for Environment and Sustainability)

download from:

<http://re.jrc.cec.eu.int/pvgis/pv/imaps/imaps.htm>

aerial picture of the site Google Maps:

[Mosciano Sant'Angelo Teramo, Abruzzo, Italia](#)