

BUDGET

Photovoltaic installation			
Description	Quantity	Price by unit (€)	Total (€)
PV panels + assembly Include custom made panels: 7 bifacial EVA 4 bifacial TPO 7 small bifacial EVA	1	8800	8800
Inclined support for 3 modules	4	190	760
vertical support for 1 module	6	24	144
100 meters of black DC wire 6mm ²	1	128	128
100 meters of red DC wire 6mm ²	1	128	128
pair of cable connections	40	11.35	454
Inverter	5	340.8	1704
Storage system	1	6000	6000
Fuse holder	30	4.65	139.5
Fuse	30	4.97	149.1
DC disconnecter	10	29	290
Automatic switch multi9 K40N	1	85.21	85.21
Automatic switch C60N	6	28.19	169.14
Idpn F 1P+N 16A	1	13.10	13.10
Differential switch	6	22.1	132.6
Surge protection PSM-40/1000	6	150	900
Plastic box	4	32	128
Metallic box	6	51	306
100m Blue Electric wire 2.5mm ²	1	24.95	24.95
100m brown Electric wire 2.5mm ²	1	24.95	24.95
100m white and green Electric wire 2.5mm ²	1	24.95	24.95
Total			20505.5

Monitoring system			
Description	Quantity	Price by unit (€)	Total (€)
MS-56	1	2600	2600
MS-80A	1	1885	1885
MS-40A	3	580	1740
ML-01	10	180	1800
SVR-40	1	40	40
Z111	1	146.3	146.3
ALD-U	1	281.74	281.74
KFTF-I	1	154.63	281.74
Thermocouple	11	30.29	333.19
DCT-0010-010	5	43	215
Z204-1	3	153.9	461.7
HCT-0010-010	5	82	410
DVT-100-V05	5	222.73	1113.65
PZ7777-1D	6	23.42	140.52
PA7777-1D	6	23.42	140.52
14AFR004E	6	1.97	11.82
Monophasic Webeeee	4	113.89	455.56
Three phase Webeeee	1	214.17	214.17
48V power supply	4	133.68	401.04
cDAQ-9185	2	1090	2180
NI9214	1	1460	1460
NI9205	1	790	790
NI9208	1	660	660
LabVIEW license	1	3451	3451
Computer	1	1098.68	1098.68
Others (Small wires, connectors, tools, office supplies...)	1	361.38	361.38
Total			22673.01

Human resources				
Description	€/h	Number of employees	Number of hours	Total (€)
Electricians	17	2	100	3400
Engineer Senior	43	1	700	30100
Engineer Junior	32	1	250	8000
Total				41500

Setbacks prevision		
Total project cost (€)	Mark-up (%)	Total (€)
84678.51	20	16935.70

Summary

Concept	Cost
Photovoltaic installation	20505.50
Monitoring system	22673.01
Human resources	41500.00
Setbacks prevision	16935.70
TOTAL	101614.21