PROFORMA INVOICE

Customer Information:

Offer Date: 24. 04.2023

Buyer: Mr. Murat Yılmaz

Offer No:

ST_006.004.023.01

Address: Tchirozérine, Nijer

Phone: +90532 708 71 30

SUBJECT: SOLAR CARPORT

Parking Lot Solar Panel Infrastructure:

Solar panels:

Communication and Safe DC DC Charger:

Parking Lot Solar Solar Energy System Including Ready Assembly:

SUB-TOTAL : $

+ VAT: 0 $ -

Export registered TOTAL: $ 19.800 -

PAYMENT PLAN ; Payment will be in advance. Our prices are valid for 15 days.

TERMIN; Products are partially stocked in our warehouse and can be shipped with payment.

DELIVERY LOCATION ; Turnkey Location at the application site with assembly request –……./Nijer

BANK INFORMATION; AKBANK TR81 0004 6003 9588 8000 2198 80

This proforma fee will be valid upon the payment of the down payment to SAVING ENERJİ with the order confirmation.

BUYER APPROVAL **SELLER APPROVAL**

SAViNG SOLAR ENERGY SYSTEMS Address: Beşikkaya Mahallesi 1956 sk. No: 17 /A Altındağ – Ankara Çayyolu mh. 2673 cd. 38/84 Gold N State Çankaya/ Ankara/Turkey
savingenerji@gmail.com - http://fisinigunesetak.com +90544 770 18 06

Solar Charging Park Electric Vehicle Charging Systems; According to the efficiency of the sun during the year and day, it can charge dc dc for 3-4 hours in winter and 8-10 hours in summer, 15 kW and above.

Your electric vehicle charging starts with 5 kW dc charge, where solar efficiency catches the charge level, and as the irradiance values increase, dc charge is performed at a maximum rate of 20 kW at the dc charge rate accepted by your vehicle. You will not be charged during the hours when the radiation values are insufficient. Factors such as the location, slope, sun exposure, temperature, shading, …… of our Solar Charging Park Electric Vehicle Charging Systems are within the scope of solar energy systems installation expertise, where our international professional qualifications are.

Depending on the energy consumption performance of different electric vehicles, seasonal differences and driving characteristics, an average driving range of 75-120 kilometers can be obtained with a 15 kW dc charge.

Solar charging park charges dc dc according to the daily efficiency of the sun without the need for any electricity, generator or battery.

Requires 32 m2 area. Provides 10 hours of 15 / 20 kW/h dcdc EV Charge with daily sunlight data. It provides 120 km/h range charge in an average of 1 hour for 1 vehicle. It also charges less kW during low sun hours. For example, 5 kW. the maximum charge is 20 kW. Battery and battery charging facility can be added to the system (Optional). The whole system is based on dc electricity generation and dc fast charging.

Fast charging station is one type of charging method which can charge battery of electric vehicle (EV) in not over an hour. It can supply rapidly electric power to charge EV like gasoline pump station for internal combustion engine car. So it will be most popular charging station for EV customer in the future.

Its flexible multi-protocol design supports CCS, CHAdeMO and AC functionality depending on the individual charging needs of each
customer.

Features

Operate Condition and requirement for 20KW EV charger
Working condition
1) Prevent the rain, water, avoid direct sunlight ,away from the sources of charger,such us fire source, combustible gas,rain,snow smoke,sand-dust ect.
2) Operating temperature:-20ºC~45ºC
3) Operating humidity:5%~95%
4) Operating altitude:<=2000m

Function and Features for 20KW EV charger (Except for solar panels)
1)The communication board has the high-speed CAN net work can communicate with BMS of the electric car and complete the charger charge control.It used to judge the power battery type of the electric car and obtains the systematic parameter and also obtains the status data of the power battery's voltage,current and temperature in the course of charging and before charging.
2)4.3 inches LCD touch screen display with indicator function,which can real-time display the remaining battery power,charging voltage charging current,remaining charging time and the charger's failure state.
3)Two buttons complete charge (on/off)can change and set up the charger's parameter.Please refer to the seventh part of the manual (Human-computer interaction)
4)The charger equipped with emergency stop system,it can cut off the output current at the first time in an emergency.Please check 2-1for reference.
5)The air switch can cut off the AC input.Please check 2-1 for reference.
6) The user can put the input cable and output cable stored separately.
7)The Charger can filling the electricity 10 ~ 15 kw/H per hour commonly,general cars can be recharged in 1.5~ 2 hours and the bus need 4~5.5 hours.
8)Please notice that the air duct can not toward to ground or be blocked.As the figure 6-1 for reference.

Map data

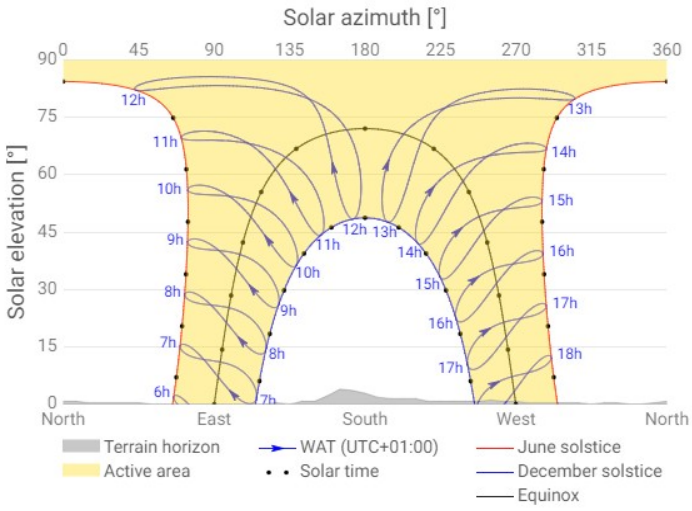
Per day

Direct normal irradiation	DNI	5.568	kWh/m² per day
Global horizontal irradiation	GHI	6.437	kWh/m² per day
Diffuse horizontal irradiation	DIF	2.540	kWh/m² per day
Global tilted irradiation at optimum angle	GTI opta	6.849	kWh/m² per day
Optimum tilt of PV modules	OPTA	23 / 180	°
Air temperature	TEMP	26.5	°C
Terrain elevation	ELE	658	m

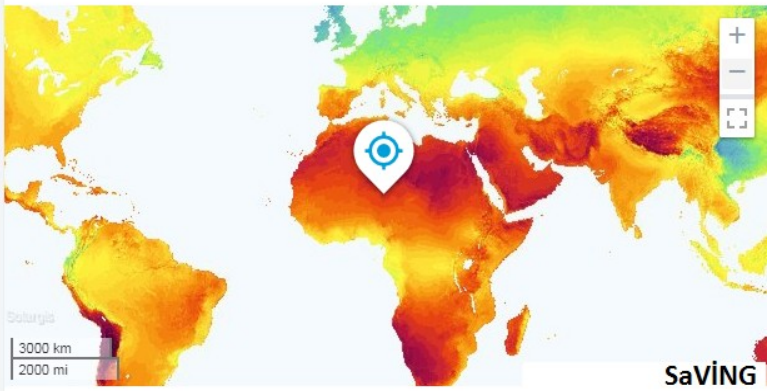
Map

Swich to map

Horizon and sunpath



PVOUT map



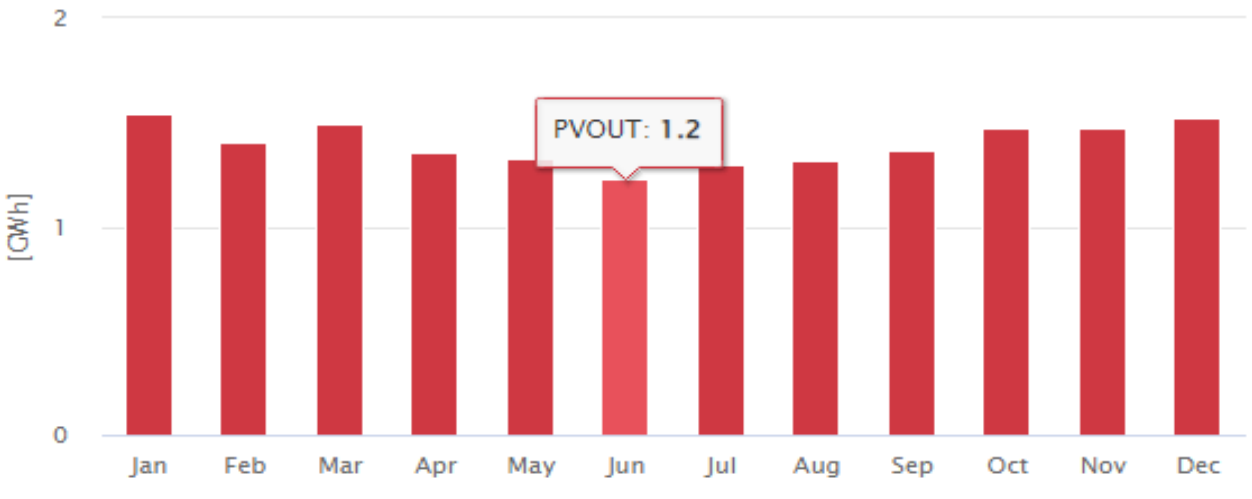
PVOUT: Long-term average of annual totals of PV power potential

kWh/kWp

600 800 1000 1200 1400 1600 1800 2000 2200 2400

Monthly averages

Total photovoltaic power output



Total photovoltaic power output

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0 - 1												
1 - 2												
2 - 3												
3 - 4												
4 - 5												
5 - 6												
6 - 7			0	0	0	0	0	0	0	0	0	
7 - 8	0	1	1	1	1	1	1	1	2	2	2	1
8 - 9	3	3	3	3	3	3	3	3	3	4	4	3
9 - 10	5	5	5	4	4	4	4	4	5	5	5	5
10 - 11	6	6	6	6	5	5	5	5	6	6	6	6
11 - 12	7	7	7	6	6	6	6	6	6	7	7	7
12 - 13	7	7	7	6	6	6	6	6	6	7	7	7
13 - 14	7	7	7	6	6	5	5	6	6	6	7	7
14 - 15	6	6	6	5	5	5	5	5	5	5	5	6
15 - 16	5	5	4	4	4	3	4	4	4	4	4	4
16 - 17	3	3	3	2	2	2	2	2	2	2	2	2
17 - 18	0	1	1	1	1	1	1	1	1	0	0	0
18 - 19			0	0	0	0	0	0				
19 - 20												
20 - 21												
21 - 22												
22 - 23												
23 - 24												

SaVİNG

Solar Charge park reduces inverter and charging unit losses by 40% compared to other solar powered systems.

TITLE :	**SaVING SOLAR ENERGY SYSTEMS**
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