



**Gensol UAE's Solar On Line Assessment Report (GO SOLAR) Tool**

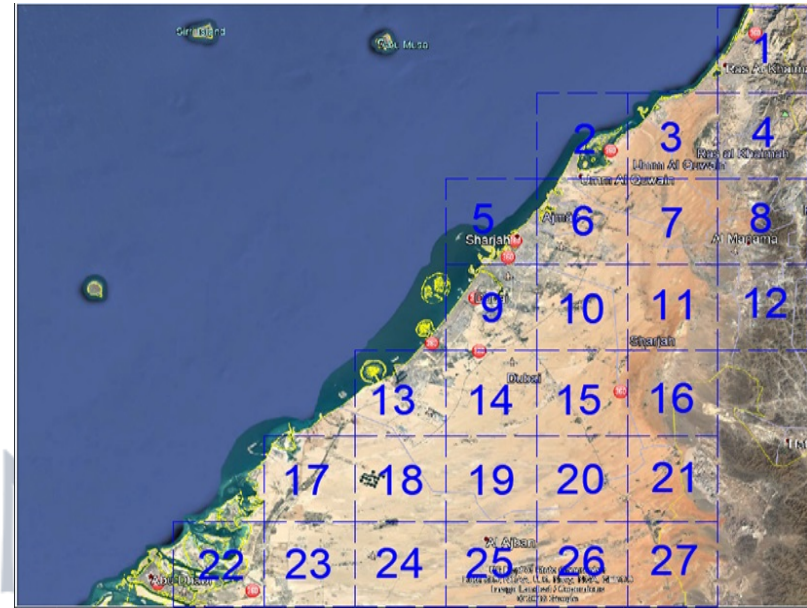
I'd like to call my site as **Dubai**, My Property type is **Commercial**, It has a connected load of **500** kW, My yearly Consumption **1294000** kWh, I'm planning to install solar system on **Shed Mounted**, Solar project cost is **4** AED/Wp, My property is in solar zone no **9**, Proposed solar capacity **200** kW, New Connected Load is **500** kW.

### YOUR INPUTS

Project Site Name	Dubai				Choose Category	Commercial						
Yearly Consumption	1294000			kWh	Connected Load	500						
Current Monthly Consumption Pattern (kWh)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	93000	84000	93000	90000	139500	135000	139500	124000	120000	93000	90000	93000

## SOLAR PROJECT

Solar Capacity Planned	200	kW																								
New Connected Load	500	kW																								
Solar Project Cost	4	AED / Wp																								
Total Project Cost	800000	AED																								
Project Location	9	ZONE																								
Global Horizontal Irradiation (GHI)	2010	kWh/m <sup>2</sup> /year																								
Global Horizontal Irradiation (GHI) (kWh/m <sup>2</sup> /month)	<table border="1"> <thead> <tr> <th>Jan</th> <th>Feb</th> <th>Mar</th> <th>Apr</th> <th>May</th> <th>Jun</th> <th>Jul</th> <th>Aug</th> <th>Sep</th> <th>Oct</th> <th>Nov</th> <th>Dec</th> </tr> </thead> <tbody> <tr> <td>117</td> <td>127</td> <td>164</td> <td>190</td> <td>221</td> <td>213</td> <td>204</td> <td>200</td> <td>179</td> <td>160</td> <td>128</td> <td>110</td> </tr> </tbody> </table>	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	117	127	164	190	221	213	204	200	179	160	128	110	
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec															
117	127	164	190	221	213	204	200	179	160	128	110															
Expected Solar Yield	318900	kWh / year																								
Expected Solar Yield Monthly Spread (kWh)	<table border="1"> <thead> <tr> <th>Jan</th> <th>Feb</th> <th>Mar</th> <th>Apr</th> <th>May</th> <th>Jun</th> <th>Jul</th> <th>Aug</th> <th>Sep</th> <th>Oct</th> <th>Nov</th> <th>Dec</th> </tr> </thead> <tbody> <tr> <td>19600</td> <td>20980</td> <td>26640</td> <td>30320</td> <td>34380</td> <td>33100</td> <td>31500</td> <td>30880</td> <td>28020</td> <td>25360</td> <td>20200</td> <td>17920</td> </tr> </tbody> </table>	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	19600	20980	26640	30320	34380	33100	31500	30880	28020	25360	20200	17920	
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## TARIFF

TARIFF APPLICABLE (AED/kWh)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38

Savings From Solar Project Tariff (AED/Month)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	7448	7972.4	10123.2	11521.6	13064.4	12578	11970	11734.4	10647.6	9636.8	7676	6809.6

YEARLY SAVINGS	121182	AED
SIMPLE PAYBACK	6.6	YEARS

### Assumptions considered for generation tool:

- (1) **Database used:** Meteonorm
- (2) **Specification of Materials:** All materials considered as Tier-1 Make
- (3) **Type of System:** Rooftop- Flat Roof System
- (4) **Assumption on Costing:** O&M cost for first year has been included