

13
Rainy days / Annum

Collect and use rainwater and dew to cool the storage batteries.



Volume of recovered rain:

168 210
L/ ANNUM

2164.45
Hours of sun / Annum

The high level of Solar Radiation justifies the exploitation of this energy through photovoltaic technology.



THE CUBES will contain activities of awakening to science and renewable energies.

6.94
m/s
The average wind speed in our site.

THE WAHA

04 Technological oases form The WAHA parc. Each one of them produces its electricity and will store it in batteries located under their own platforms.

The four oases are hojded together by pedestrian platforms and crossed in their midle by a transit road.

+ 10 %
The openings created between the modules allow natural air circulation to refresh the photovoltaic modules, increasing their efficiency by 10 %.

Volume of recovered dew:

428 064
L/ ANNUM

x 7000

HYDRO-COLLECTOR MODULE.
Receptive surface: 0.42 sqm each.
The receptive surface, made of recycled aluminum plate, is treated with a radiative material whose function is to increase the dew phenomenon.

x 8000
ONYX MONO-CRYSTALLINE GLASS TRIANGLE.
Nominal Power: 29 Wp each.
Using 06 high efficiency photovoltaic cells.

430 MWH/ANNUM

x 17
BATTERY PACK 203
KWH 800 V
Total storage capacity 3.45 MWH

596 274
L/ANNUM

This volume of recovered water will be filtered and sent to the cooling system of the storage batteries in order to increase their capacity and extend their lives.

2522 MWH/ANNUM

x 96
VORTEX BLADELESS.
Nominal Power: 6000 Wp each
Using oscillation generated by the wind to produce electricity.

2952 MWH/ANNUM

30%

30%

40%

THE WAHA

