



DEMIX SOLAR POWER UMBRELLA

Projet for Public Spaces (BEACH in ITALY)

DEMIX *group*

Description:

This proposal offers to the city's parks, beaches and public spaces the image of the green energy everywhere you go.

It consist to install the solar power umbrella at its differents places, where people can enjoy the freshness from it shadow or the cover from rains but at the same time , they can use it power to charge phones, connect computers, fans, power banks, speakers , refrigerators or any equipments allowed to use in publicarea according to the regulation.

It's a solar parasol once called wrongly and through, but for once again presented in its true light to the public.

It is a real parasol structure with it rool fully solar paneled and featured with a hybrid solar system with high power available for 217W and 462W solar roofed.



Personalization:

The Umbrella will be installed at a sea salty water beach, therefore the structure is made with aluminium.

The regular umbrella power base is replaced by simple grounded concreted base.



<< View of the beach >>





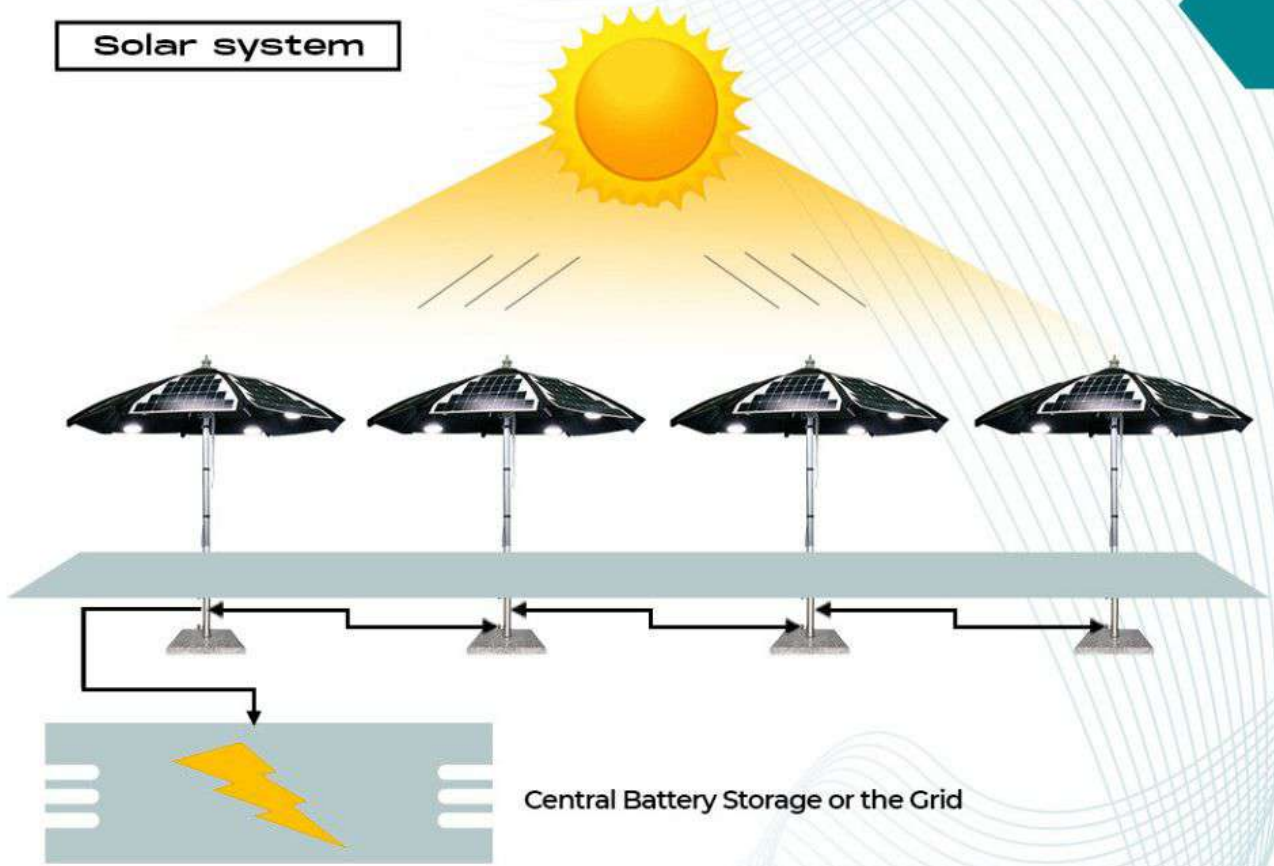
Conceptualization:

All the existing umbrellas at the beach will be replaced by solar umbrellas without their individual power systems.

All the umbrellas are connected underground to communicate with a central battery storage or to the grid.

This will help avoid the daily wastage of the sun at the beach where normal umbrellas are installed and to create the possibility of capturing the solar energy by our umbrellas and to store it.

Solar system



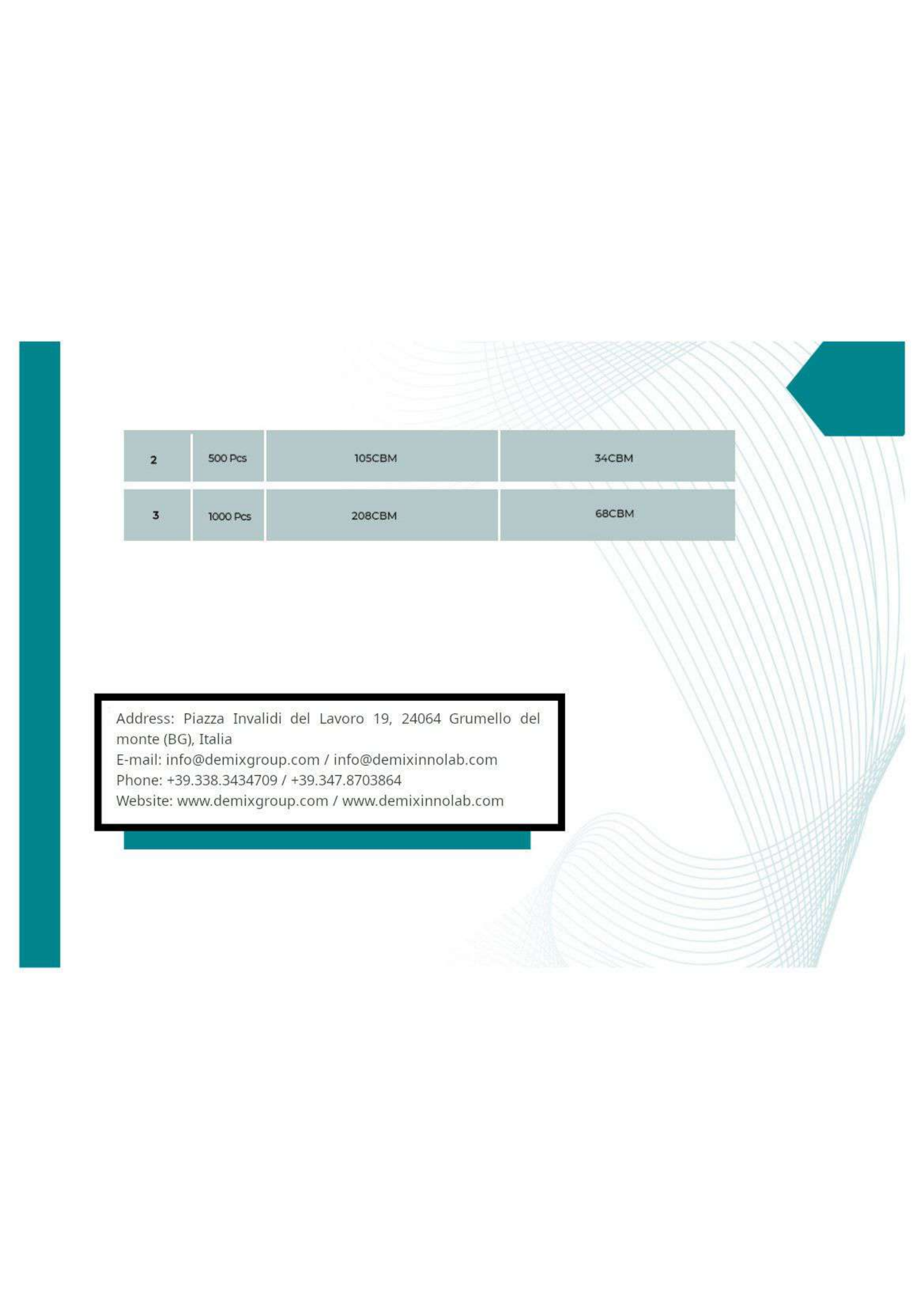
Central Battery Storage or the Grid

Evaluation:

Options	462W Umbrella	Daily Production	OFF-GRID Solar System			ON-GRID Inverter
			Controller	Inverter	Battery	
1	100 Pcs	272.6 kwh	4 Controllers 96v/150a	96v/30kva	96v/3000Ah	60kva
2	500 Pcs	2310 kwh	10 Controllers 192v/150a	192v/100kva	192v/7500Ah	100kva
3	1000 Pcs	4620 kwh	20 Controlles 192v/150a	192v/100kva	192v/15000Ah	100kva

Package and shipping:

Options	Umbrella Set Qty	TOTAL VOLUME FOR FULL SET OFF-GRID	TOTAL VOLUME FOR FULL SET ON-GRID
1	100 Pcs	17.5CBM	7CBM



2	500 Pcs	105CBM	34CBM
3	1000 Pcs	208CBM	68CBM

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