



Quick facts

- DUBAI based PV modules manufacturer
- Total production capacity of 150MW
- 1500VDC - maximum voltage
- Modules from 40W to 400W using automated line from Japan / Germany
- TUV / IEC / ISO certified modules approved by DEWA, ADDC, FEWA, SEWA and many more
- Non standard modules using cut cells and non -standard sizes is possible using 3BB
- 5BB and 12BB modules with conventional back sheet or Glass on Glass type

Dubai based manufacturer



Strategic location

Centrally located not only in the region but globally, the UAE is connected to all corners of the world via world-class airports. A World Expo in Dubai in 2020 will be the first to be held in the MENASA (Middle East, North Africa and South Asia) region.



lives within a 4-hour flight of the UAE and **two thirds within eight hours**

Large production capacity

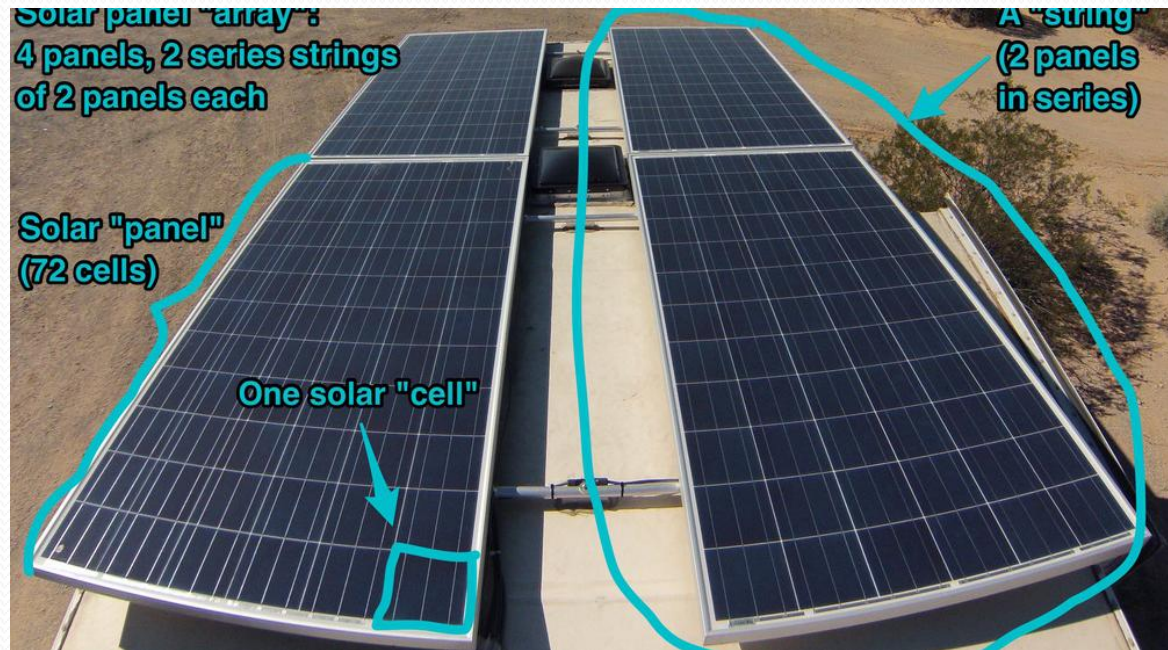
- 150MW_p / year of production
- 1400 panels of 72 cells (330W_p) per day



Solar modules production

1500VDC

- 35 panels (12KWp) in 1 string Vs. 20 panels in 1000VDC panels



2 string in series and 2 in parallel

Small to large sizes



40W to 400W <MONO> <MULTI> <PERC>

Certifications and approvals



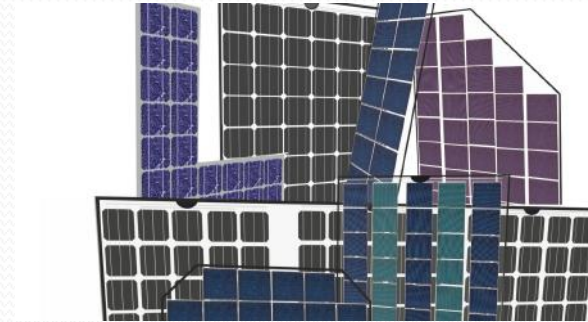
الإمارات
للهوية
EMIRATES
IDENTITY



Range of Modules



Glass 2 Glass modules



Customized shapes G2G

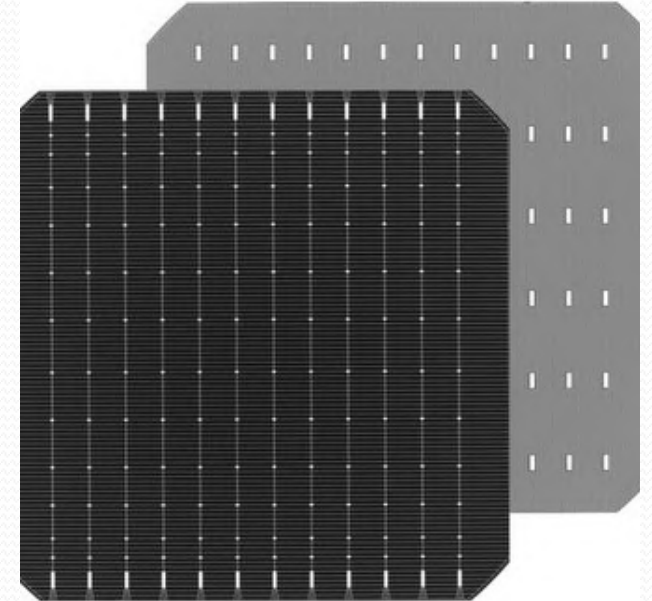


Bi Facial Panels

State-of-the-art technology



5 Bus Bar



12 Bus Bar

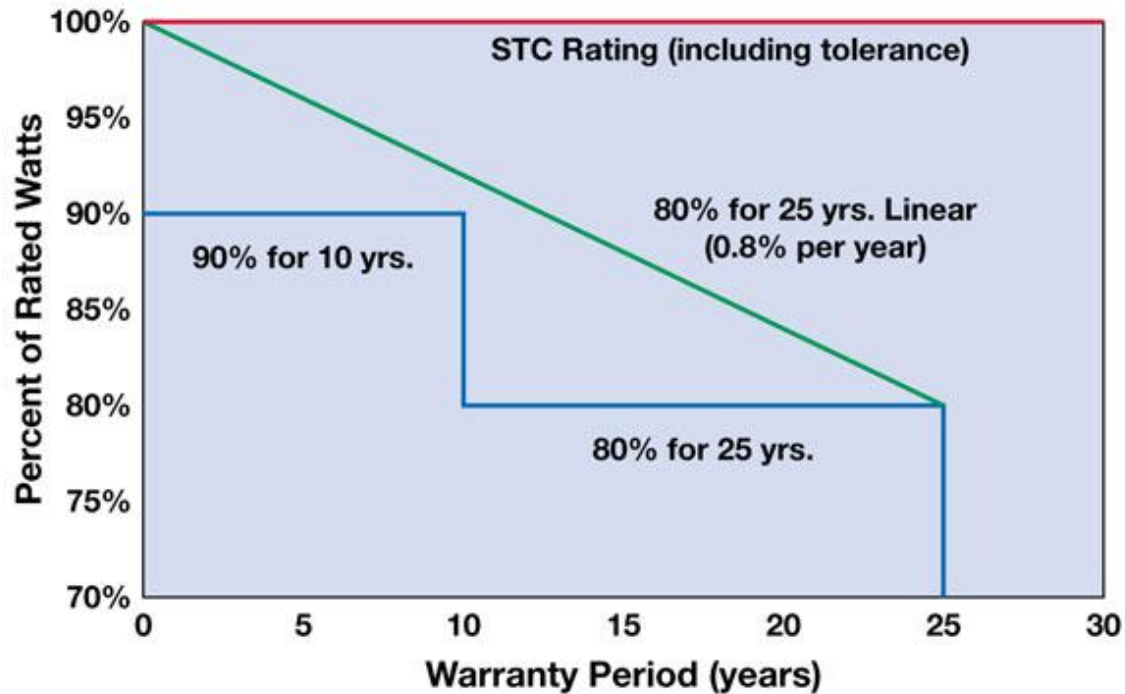
Key features

We are serious about our modules

Warranty -

We offer the best guaranteed output

Typical Power Warranties



*Blue line is worst case for a stepped power warranty

PID Effect

Our modules offer 1500V - with no long-term deteriorating effects

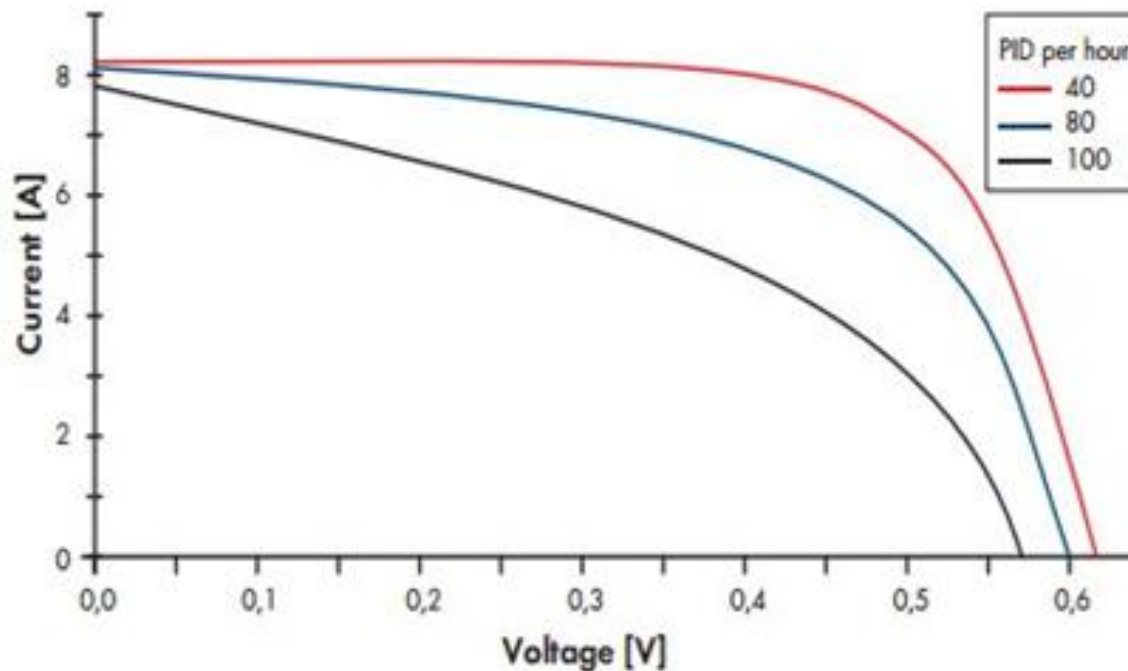
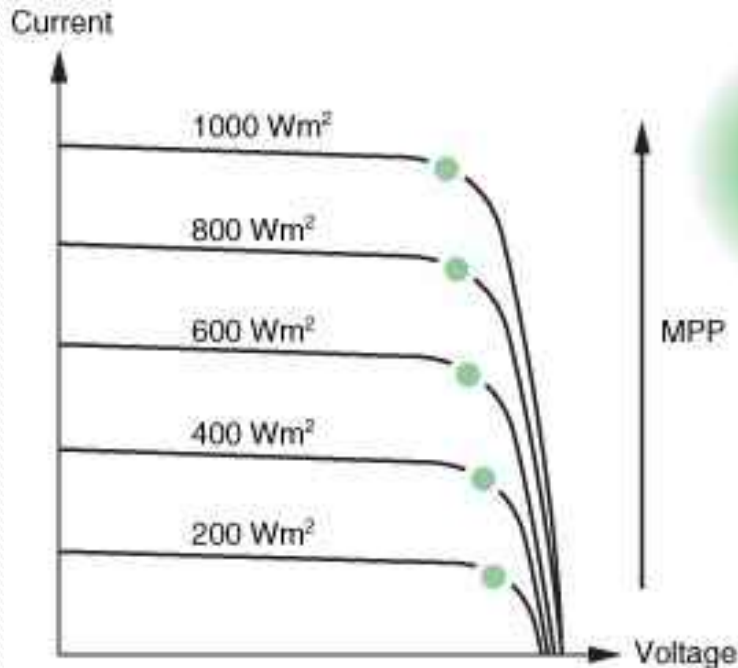


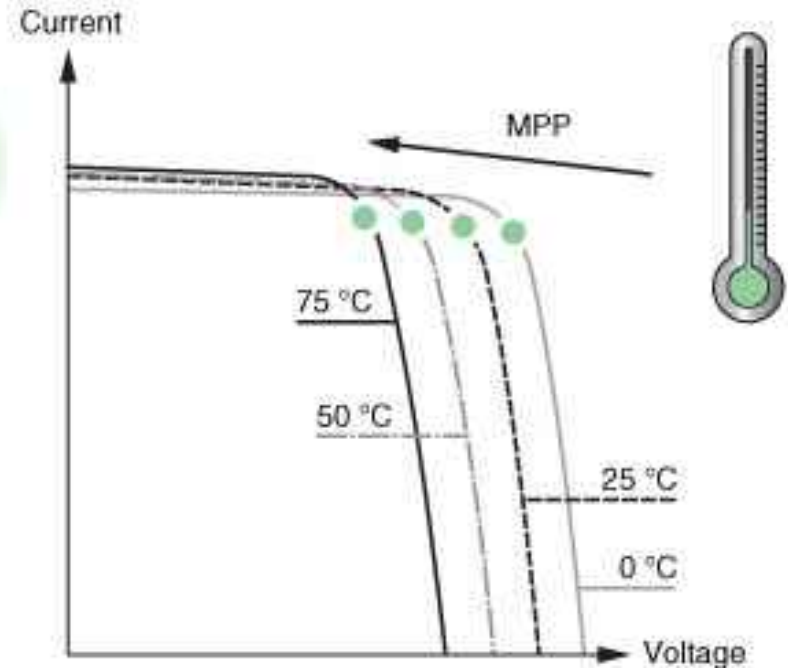
Figure 2: A PV module's characteristic curve before and during the degradation process. A flattening of the curve is characteristic, with the open-circuit voltage and the short-circuit current remaining nearly unchanged, but the maximum power point (MPP) will be reduced by up to 70%. *

Temperature effect

Our modules produce higher energy under any environmental conditions.



► **An increase in solar radiation** increases the power generated by the cell



► **An increase in temperature** decreases the power generated by the cell

MPP : Maximum Power Point

Power Tolerance -

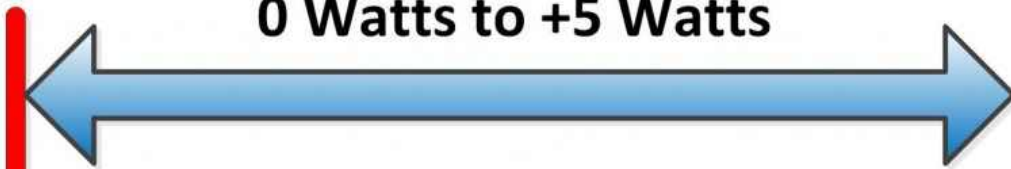
Our modules deliver more than what we promise

Nameplate
Power
Output

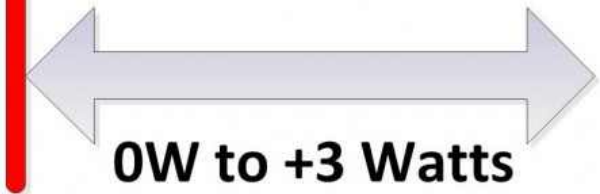
250 Watt



255 Watt



DUSOL Industries LLC



Competitor

Our modules check all the right boxes!

- Warranty



- PID resistance



- Tolerance



- Temp Coefficient

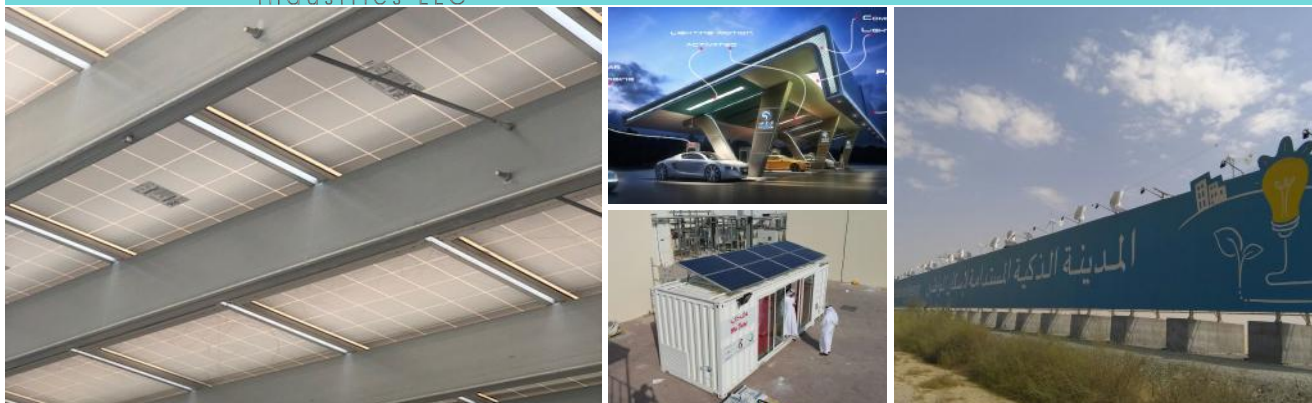


- NOCT



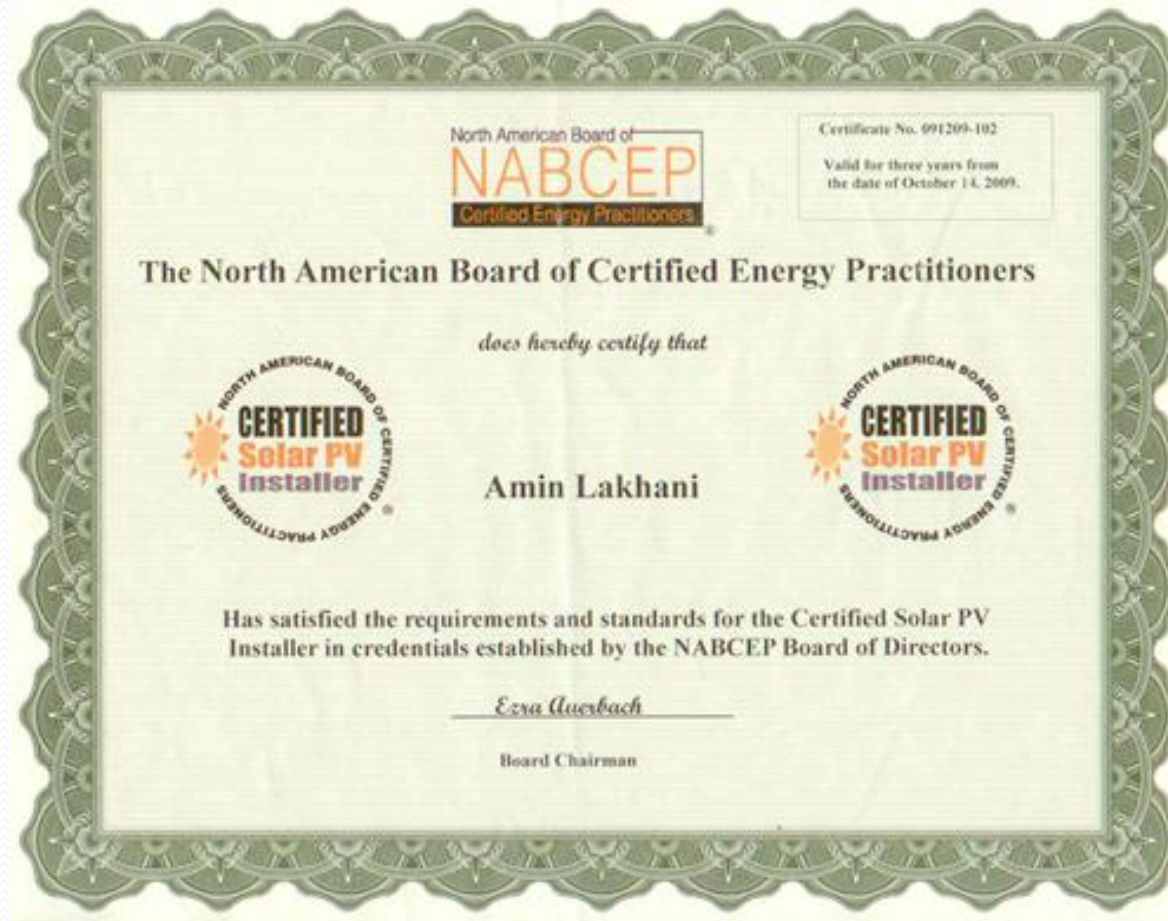
Projects

Our modules have proven their worthiness across the industry



Date	Project Owner	Contractor	Contact	Project Details
Aug 1, 2018	Dubai Electricity and Water Authority	Apex Power Concepts Solar Energy LLC	Mr. Syed Ali	1.7 MWp, solar Car port system - DUBAI
March, 2018	Ministry of Climate Change And Environment	Apex Power Concepts Solar Energy LLC	Mr. Ahmad	0.6MWp, Solar Car Port System - DUBAI
October, 2017	Emirates ID Authority, Abu Dhabi	Apex Power Concepts Solar Energy LLC	Mr. Kurian	0.35MWp, Roof top On Grid system - MUSAFFAH
August, 2014	Kuwait Oil Company	Al Ghanim International	Mr. Ahmed	3KWp, Off Grid RTU for pipe line detection system
September, 2017	Mai Dubai (DEWA)	FAB Tech contracting	-	2.4KWp container solution
Mar 1, 2013	Environment Agency of Abu Dhabi	Hitachi Plant Technologies	Mr. Ochiyama	45 KWp Off grid system for solar powered reverse osmosis (RO) plant
Jun 1, 2017	Engineering office of Sheikh Mansoor	EOM	Mr. Stanley	Multiple projects incl. 45KWp roof top, 60KWp car port for SOLAR AIRCON project, Mutiple solar pumping systems
Feb 1, 2018	Power plan owner in India	Rajshri Enterprises	Mr. Burhan	On-Grid roof top power plant : 160KWp (Gujrat)
Mar 1, 2012	The Change Initiative, Dubai	Self	-	2 off grid plants of 12KWp, 1 on grid (NOT DUSOL)

We are the certified installers.



هيئة كهرباء ومياه دبي
Dubai Electricity & Water Authority

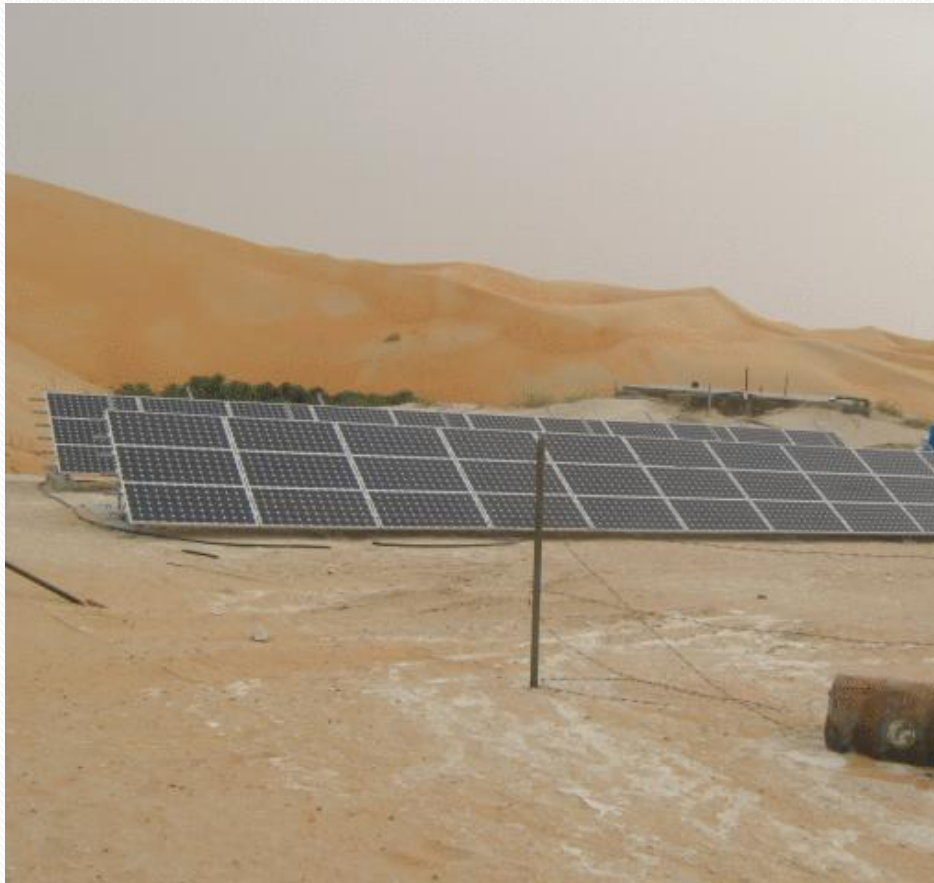


SOLAR CAR PORT



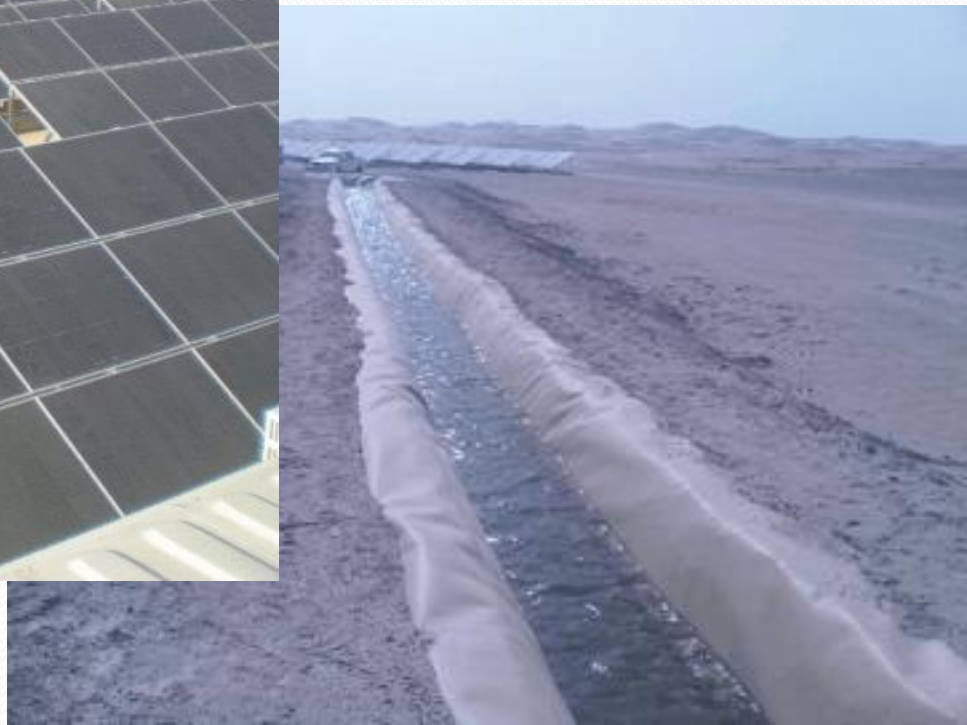
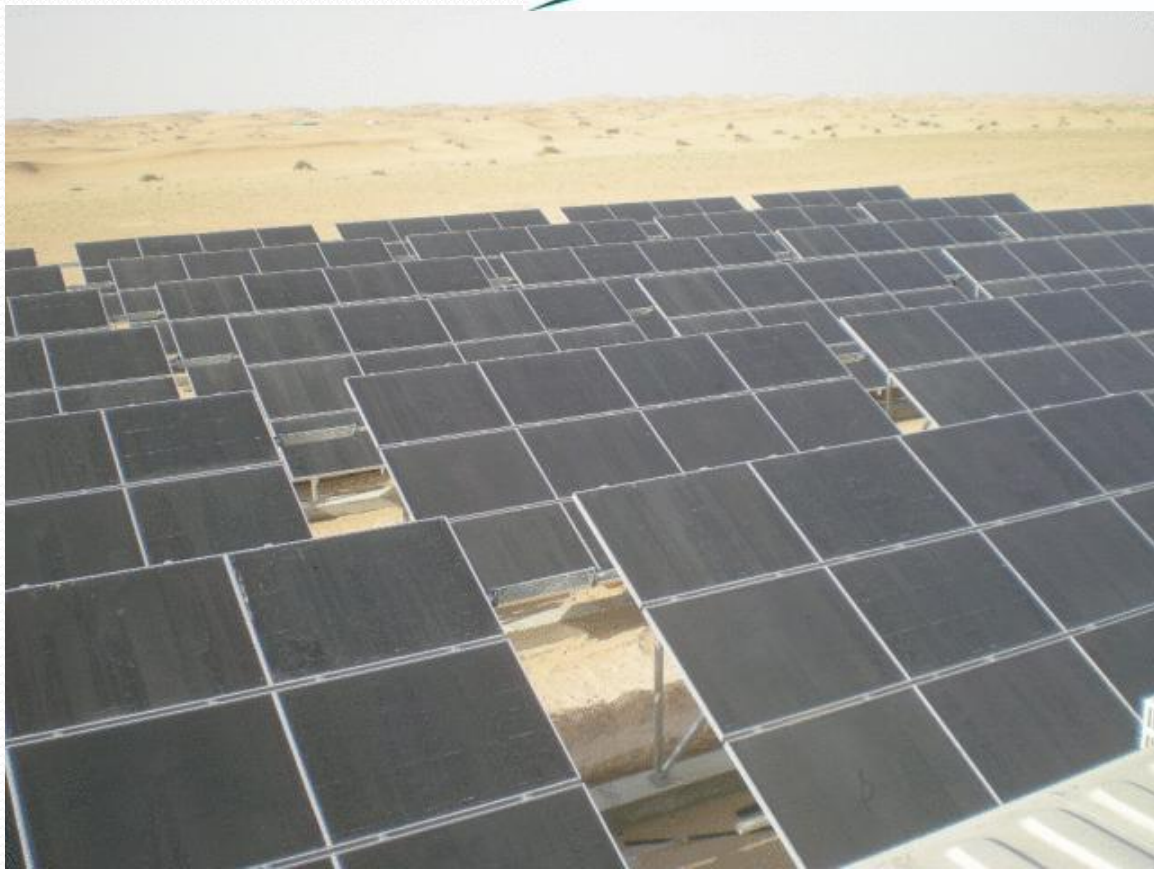
شركة نفط أبوظبي المحدودة (اليابان)
Abu Dhabi Oil Co., Ltd (Japan)







هيئة البيئة - أبوظبي
Environment Agency - ABU DHABI



Masdar
A MUBADALA COMPANY



مصطدر
إحدى شركات مبادلة

DUSOL
Industries LLC



بلدية مدينة أبوظبي
ABU DHABI CITY MUNICIPALITY





إحدى شركات مؤسسة البترول الكويتية
A Subsidiary of Kuwait Petroleum Corporation





the **change** initiative[®]



To summarize... we do

- Bus bars
 - 3BB, 5BB and 12BB
- Type
 - Framed and frameless GnP / BiFacial solar modules
- Range
 - 40W to 400W.. and higher
- NOT JUST SOLAR PANELS
 - Engineering (all types of systems: On / Off / Hybrid)
 - Procurement (direct representation of all the major brands)
 - Contracting (And with in house expertise and labor force)

We are serious about our modules

Are you?