



Fact sheet | Amman Academy

AMMAN ACADEMY SHINES WITH SUNPOWER® SOLAR POWER SYSTEM

With a 412-kilowatt high efficiency SunPower solar power system installed on its rooftop, Amman Academy in Jordan estimates it is now powering approximately 70 percent of its operations with emission-free solar energy.

Thanks to the free solar power produced by the system, the faculty can allocate more budget to academic and enrichment programs for students rather than spend those funds on operational costs such as lighting and air conditioning.

In addition to generating environmental and financial benefits, the SunPower system is enhancing the students’ learning experience by providing them with hands-on activities with the science and engineering of solar power technology.

Designed and constructed by Mustakbal clean tech, a local photovoltaic system integrator, the new system at Amman Academy has been operational since January 2015.

Due to lower temperature coefficients and lower Normal Cell Operating Temperatures (NOCT), SunPower panels generate more energy at higher temperatures compared to standard crystalline panels, while standing the test of time in extreme weather conditions.

The panels are very well suited for regions affected by dust storms, such as the Middle East and Africa, thanks to the special antireflective, hydrophobic coated glass (ARC) which improves light absorption and reduces surface dust. The ARC glass also protects the panel’s surface from humidity and sand blasting that could cause a loss in performance.

Project Overview

Location:	Amman, Jordan
Completed:	January 2015
System Size:	412 kWp
Number of Panels:	1,278
Product:	327Wp COM
Covered Surface Area:	Approx. 3,000 square meter
System Owner:	Amman Academy
System Integrator:	Mustakbal clean tech

Benefits

- Higher performance at high Temperatures
- High efficiency technology maximises energy output in the space constrained

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