

RESIDENTIAL ROOF-TOP SYSTEM
Singapore



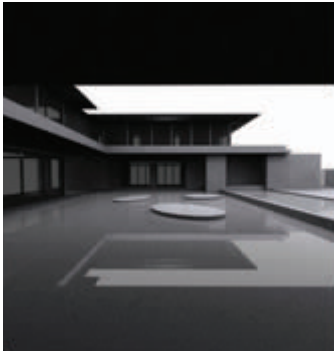
Project type:	Double storey bungalow
Location:	District 10, Singapore
Commissioned:	May 2008

Technical data

Rated system power	7,140 Wp	Construction type	Roof installation, 3.5° tilt angle
Annual energy yield	approx. 8,000 kWh	Architect	Guz Architects
Avoided CO₂ p.a.	approx. 4,000 kg*	Main contractors	Holden Tiling & Construction Pte Ltd
Modules	Unisolar flexible laminates, stainless steel substrate	M&E consultant	Herizal Fitri Consultants
Inverter	Fronius IG Series	Roofer	Sheet Metal International Systems Pte Ltd

* Based on typical 0.5 tonnes CO₂/MWh

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An advocate of green living, the architect modelled the home to take advantage of its natural surroundings.

“We wanted to create a green haven for the homeowner, combining comfort, style and technology”, said Guz of Guz Architects.

Pioneering the future with photovoltaics

More people are consciously choosing a sustainable lifestyle in support of the environment. The pioneers among them are demonstrating this commitment by including PV systems in their home designs.

“We wanted to do something positive for the environment and we believe it is the right thing to add solar to any newly built house in this climate,” said the owner. “What's more, it represented an insignificant amount of the total cost of the house and was very straightforward to include.”

Phoenix Solar proposed thin film technology for its proven performance in Singaporean conditions, characterised by high ambient temperature and diffuse sunlight.

The sleek style and colours of Unisolar laminates blended perfectly with the clean and modern design of the building.

The result is a satisfied homeowner, who looks forward to plenty of sunshine every day.

The lightweight and flexible nature of Unisolar laminates made for easy installation.



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