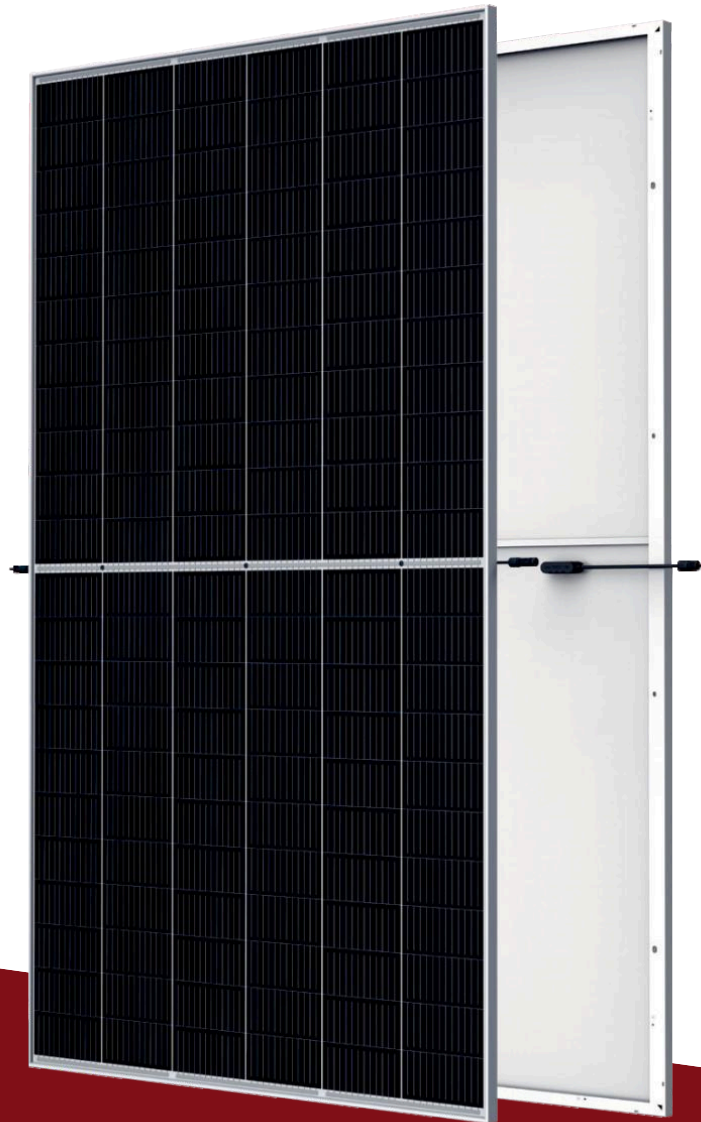


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ELECTRIC

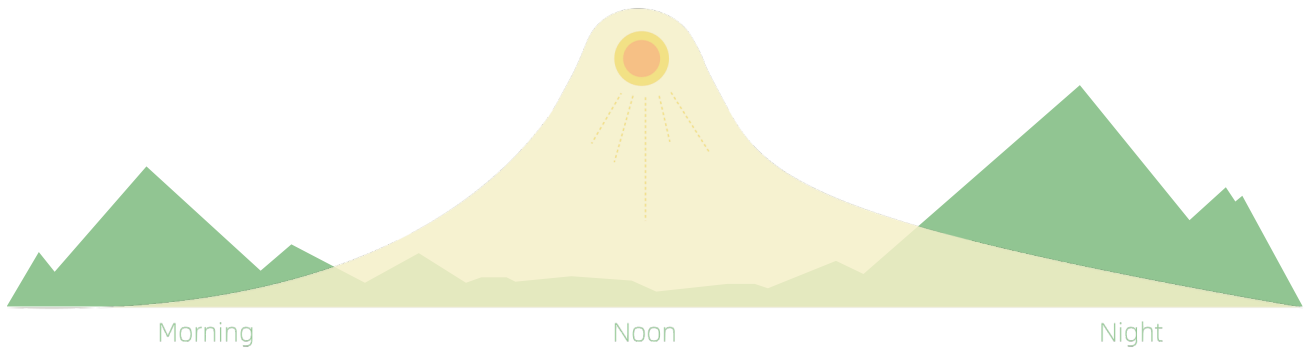
Unlimited Power

Solar Panel



Designed in AZ, USA
Manufactured in China

Solar Energy Flow



Morning:

Minimal energy production, high energy demand.

At sunrise the solar panels start

to power generation, though not enough to cover the energy needs.

The battery will fill the gap with the stored energy.

Midday:

Highest energy production, low energy demand.

In the day time, the energy generated from the solar panels is at its peak.

But energy consumption is low so that most of the generated energy is stored in the Battery

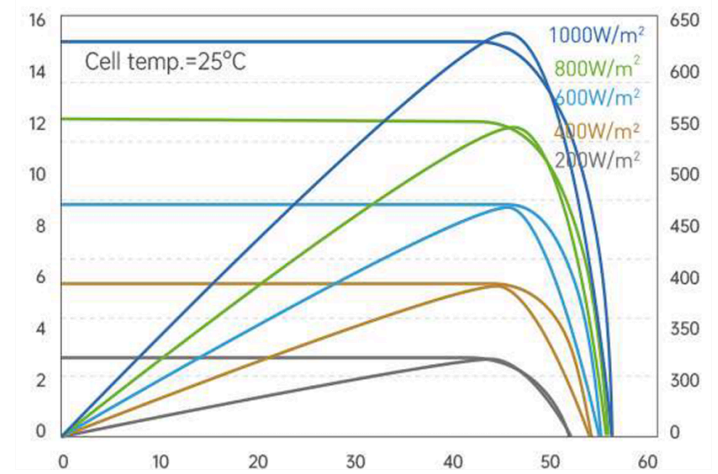
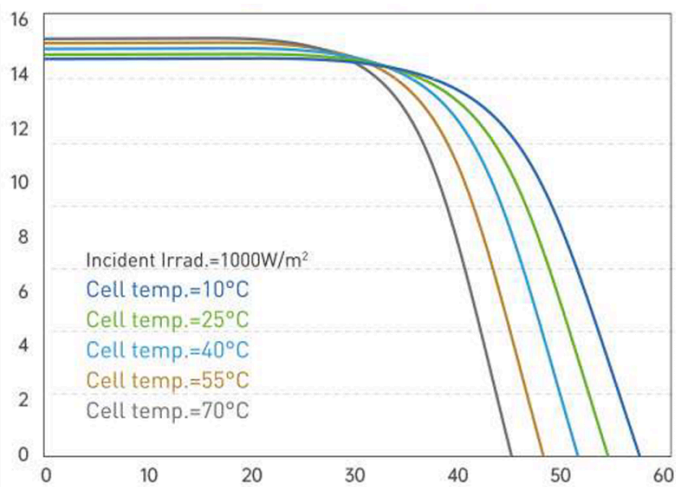
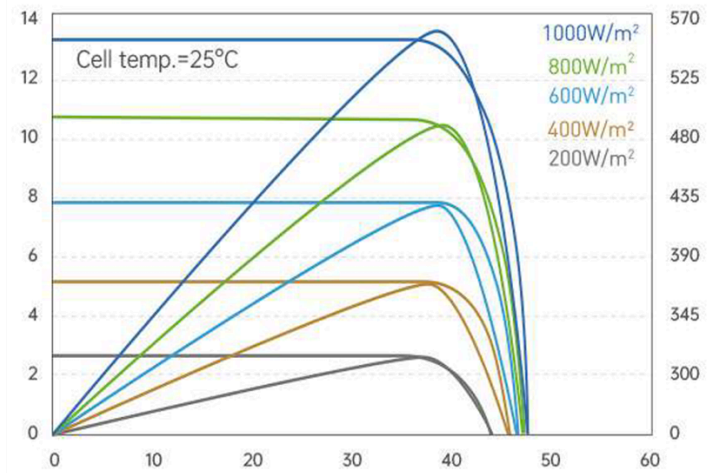
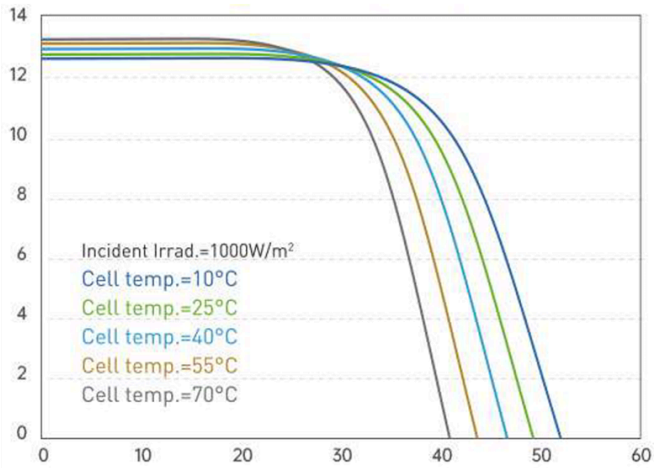
Evening:

Low energy production, high energy demand.

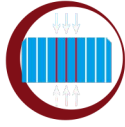
The highest daily energy consumption & solar panels produce little or no energy.

The battery will cover the energy needs with the energy storage.

I-V Curves



Product details



Half Cell

The power of Half-cell solar panel increases, and the hot spot temperature reduces because of lower working current



Positive Tolerance

Positive tolerance of up to 0~+5W delivers higher outputs reliability



High PID Resistant

Advanced cell technology and qualified materials lead to high PID resistant



Current Sorting Process

System output maximized by reducing mismatch losses up to 2% with modules sorted & packaged by amperage



Extended Wind and Snow

load tests

Module certified to withstand extreme wind (2400 Pascal) and snow loads(5400 Pascal)

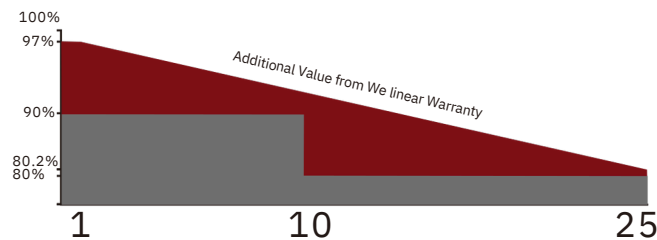


1500V

1500V

Backsheet and junction box supporting 1500V system

Industry-Leading Warranty Based on Nominal Power



* 25-year linear power output warranty * 10-year product warranty

* The first year attenuation $\leq 2\%$

* MBB solar cells, Low resistance loss and higher conversion efficiency

* Double EL test before and after lamination, highly control product defects

* Solar panel classified by current, to improve system performance

Designed in AZ, USA

Manufactured in China

Different models

550 W	PARAMETER	VALUE
	Maximum Power (Pmax)	550 W
	Rated Power Maximum Voltage (Vmp)	41.00 V
	Rated Power Maximum Current (Imp)	13.45 A
	Open Circuit Voltage (Voc)	49.70 V
	Short Circuit Current (Isc)	14.03 A
	Module Efficiency	21.3 %
	Working Temperature	-40 ~ +85 °C
	Maximum System Voltage	1500V DC (IEC)
	Power Tolerance	0 ~ +5W
	Weight	28.3 kg
Dimensions	2278x1134x35 mm	

635 W	PARAMETER	VALUE
	Maximum Power (Pmax)	635 W
	Rated Power Maximum Voltage (Vmp)	46.62 V
	Rated Power Maximum Current (Imp)	13.68 A
	Open Circuit Voltage (Voc)	56.87 V
	Short Circuit Current (Isc)	14.31 A
	Module Efficiency	22.7 %
	Working Temperature	-40 ~ +85 °C
	Maximum System Voltage	1500V DC (IEC)
	Power Tolerance	0 ~ +5W
	Weight	28.3 kg
Dimensions	2278x1134x35 mm	



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Manufactured in China