



ChinaLand Solar Energy Co., Ltd.

High Performance 36 Cell Monocrystalline 156x156mm Solar Photovoltaic Module

Model Number: CHN150-36M / Power 150W

Typical Electrical Characteristics

		Standard PV Modules			
Model Number	UOM		CHN150-36M		
RatedMaximumPower-Pmax	WP		150		
Power Tolerance	%		0~+3%		
Maximum Power Voltage-Vmp	V		18.3		
Maximum Power Current-Imp	A		8.20		
Open Circuit Voltage-Voc	V		22.4		
Short Circuit Current-Isc	A		8.72		
Maximum System Voltage-VDC	V	1000			
Module Efficiency-ηm	%		15.13		
Solar Cell and Configuration		36 cells (156x156mm) in a 4x9 matrix connected in series			
Solar Cell Technology & Size	mm	Mono Crystalline 156x156mm			
Cable Type,Diameter		2.5 mm ²			
Type of Connector		MC4			
Junction Box Type		IP65,with bypass diodes			
Bypass Diodes Type		Schottky			
Maximum Series Fuse Rating	A	15			
Temperature coefficient of Power	%/°C	- 0.44			
Temperature coefficient of Voc	%/°C	- 0.34			
Temperature coefficient of Isc	%/°C	0.06			
NOCT	°C	45°C ± 2°C			
Standard Test Conditions	STC	STC:1000W/m ² ,spectrum AM1.5 and cell temperature 25° C			
Operating Temperature	°C	- 40to+85°C			

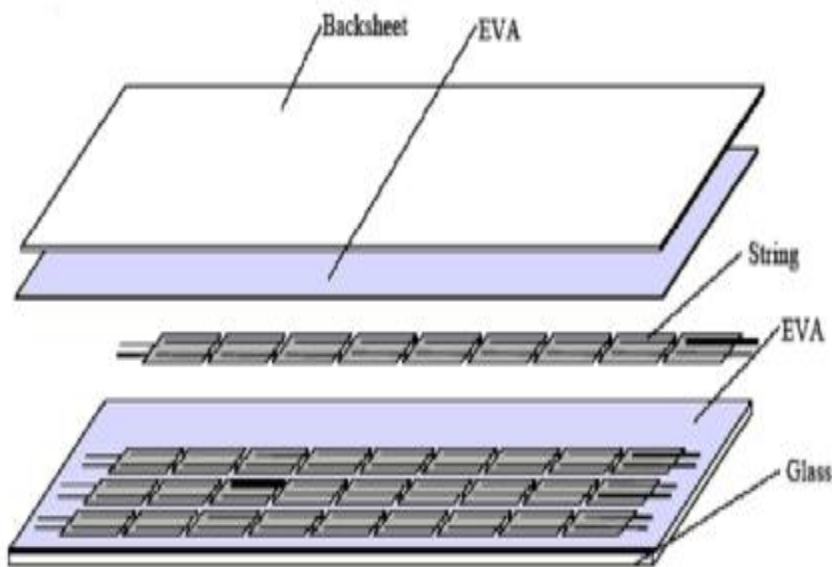


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Mechanical&Packaging Characteristics

Dimensions (length/width/thickness)	mm	1480x670x35
Installation Hole Dimensions A×B	mm	880x625
Cable Length	mm	900
Weight	kg	12
Construction		Superstrate:High transmission 3.2mm tempered low iron glass;Substrate:White BackSheet; Encapsulant: Fast Cure EVA
Frame		Clear anodized aluminium alloy type 6063T5; Color:silver
Packing Configuration and Quantity per Pallet		30 pcs per carton and one carton per pallet
Container Loading Capacity		490pcs per 20GP cubic container;1050 pcs per 40GPcubic container

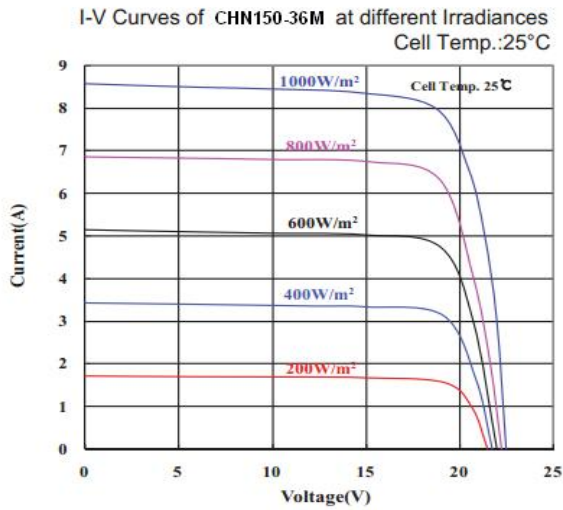
We focus on precise production and provide Customer with best cost-effective products to create Market Value for Customer



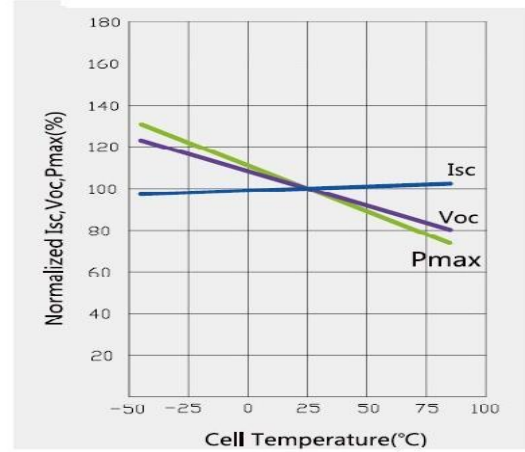


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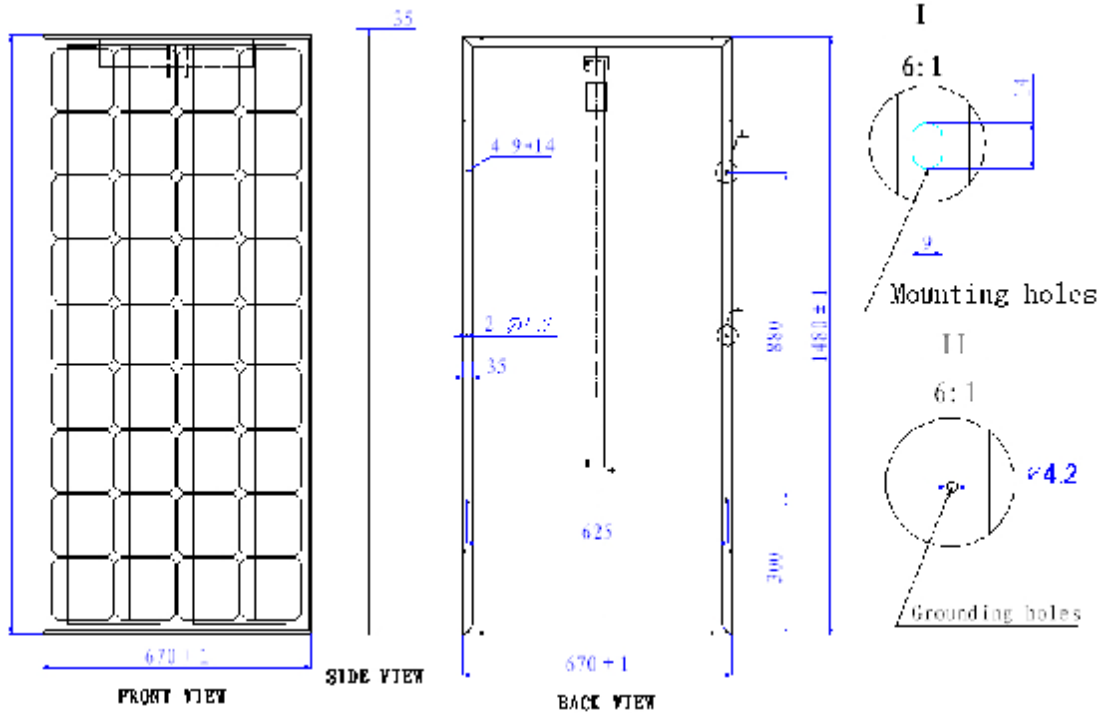
Electrical Characteristics at Different Irradiances & Temperatures



Power voltage current curve at different temperature



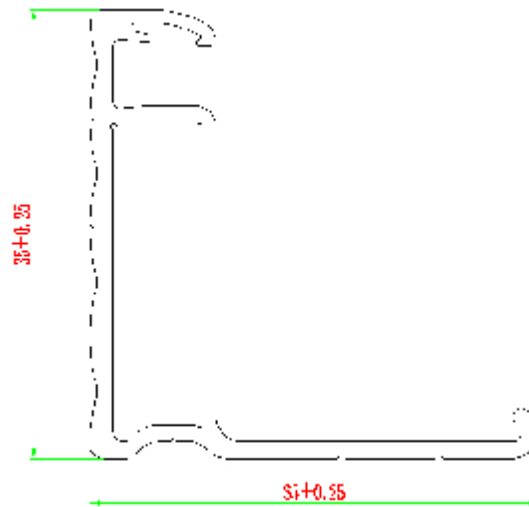
Dimensional Characteristics



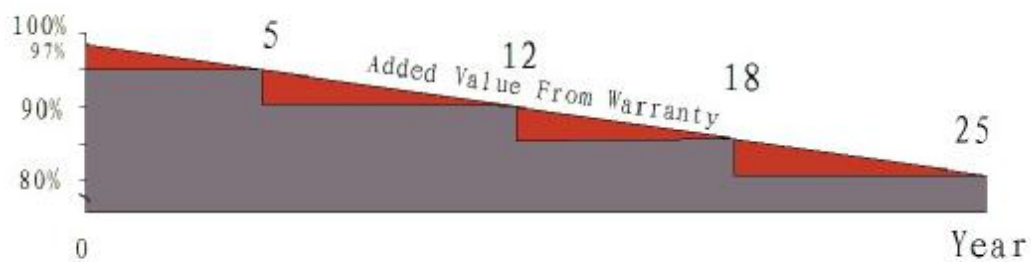


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Aluminium alloy section shape



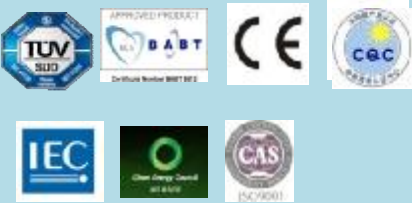
Industry-leading Warranty based on nominal power



- Based on nominal power(p_{nom})
- 25-year transferrable power output ,warranty: 5 years/95%, 12 years/90%, 18 years/85%, 25 years/80%
- 10-year material and workmanship



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CHINALAND SOLAR	WARRANTY	CERTIFICATIONS
<p>The most vertically integrated solar manufacturer in the industry with production modules using both mono crystalline and multi crystalline technology.</p> <p>Global distribution with local warehousing, delivery and after sales services</p> <p>Manufacturing with international quality standards and environment management system: ISO9001 and ISO14001, 18001</p> <p>Most update design with drainage holes in the frame ensures the modules to withstand various weather conditions</p> <p>Minimal wiring effort required as the module has high reverse current resistance.</p>	<p>Manufacturing: 10 years</p> <p>Power Production: 90%: 12years 80%: 25 years</p>	 <p>ISO14001 OHSMS18001</p>