

DIMON 72 CELL SERIES

DIMON
TECHNOLOGY



PROVEN QUALITY IN A NEW DIMENSION

Independently tested for proven product quality and long-term reliability. Millions of PV systems installed worldwide demonstrate DIMON industry leadership.

17.7%
CELL EFFICIENCY



Durability

Durable PV modules, independently tested for harsh environmental conditions such as exposure to salt mist, ammonia and known PID risk factors.



Advanced Glass

Our high-transmission glass features a unique anti-reflective coating that directs more light on the solar cells, resulting in a higher energy yield.



Extended Size

Our large-format module facilitates system-level cost savings through reduced handling and installation times.

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ELECTRICAL PERFORMANCE

Electrical parameters at Standard Test Conditions (STC)

Module type	DIMON -P150-36				
Power output	P_{max}	W	150		
Power output tolerances	ΔP_{max}	W		± 3%	
Module efficiency	η_m	%	14.9		
Voltage at P_{max}	V_{mpp}	V	38.1		
Current at P_{max}	I_{mpp}	A	3.94		
Open-circuit voltage	V_{oc}	V	45.2		
Short-circuit current	I_{sc}	A	4.19		

STC: 1000W/m² irradiance, 25°C module temperature, AM1.5g spectrum according to EN 60904-3.
Average relative efficiency reduction of 3.3% at 200W/m² according to EN 60904-1.

Electrical parameters at Nominal Operating Cell Temperature (NOCT)

Power output	P_{max}	W	108.9		
Voltage at P_{max}	V_{mpp}	V	34.3		
Current at P_{max}	I_{mpp}	A	3.17		
Open-circuit voltage	V_{oc}	V	41.2		
Short-circuit current	I_{sc}	A	3.58		

NOCT: open-circuit module operation temperature at 800W/m² irradiance, 20°C ambient temperature, 1m/s wind speed.

THERMAL CHARACTERISTICS

Nominal operating cell temperature	NOCT	°C	46 +/- 2
Temperature coefficient of P_{max}	γ	%/°C	-0.42
Temperature coefficient of V_{oc}	β_{voc}	%/°C	-0.32
Temperature coefficient of I_{sc}	α_{sc}	%/°C	0.05
Temperature coefficient of V_{mpp}	β_{vmpp}	%/°C	-0.42

OPERATING CONDITIONS

Max. system voltage	1000V _{DC}
Max. series fuse rating	10A
Limiting reverse current	10A
Operating temperature range	-40°C to 85°C
Max. static load, front (e.g., snow)	5400Pa
Max. static load, back (e.g., wind)	2400Pa
Max. hailstone impact (diameter / velocity)	25mm / 23m/s

CONSTRUCTION MATERIALS

Front cover (material / thickness)	low-iron tempered glass / 3.2mm
Cell (quantity / material / dimensions / number of busbars)	72 / multicrystalline silicon / 156mm x 78mm / 3
Frame (material / color / anodization color / edge sealing)	anodized aluminum alloy / silver / clear / silicone or tape
Junction box (protection degree)	≥ IP65
Cable (length / cross-sectional area)	0.7m / 2.5mm ²
Plug connector (type / protection degree)	MC4 / IP65

- Due to continuous innovation, research and product improvement, the specifications in this product information sheet are subject to change without prior notice. The specifications may deviate slightly and are not guaranteed.
- The data do not refer to a single module and they are not part of the offer, they only serve for comparison to different module types.

QUALIFICATIONS & CERTIFICATES

IEC 61215, IEC 61730, CE, MCS, ISO 9001:2008, ISO 14001:2004, BS OHSAS 18001:2007, PV Cycle, SA 8000



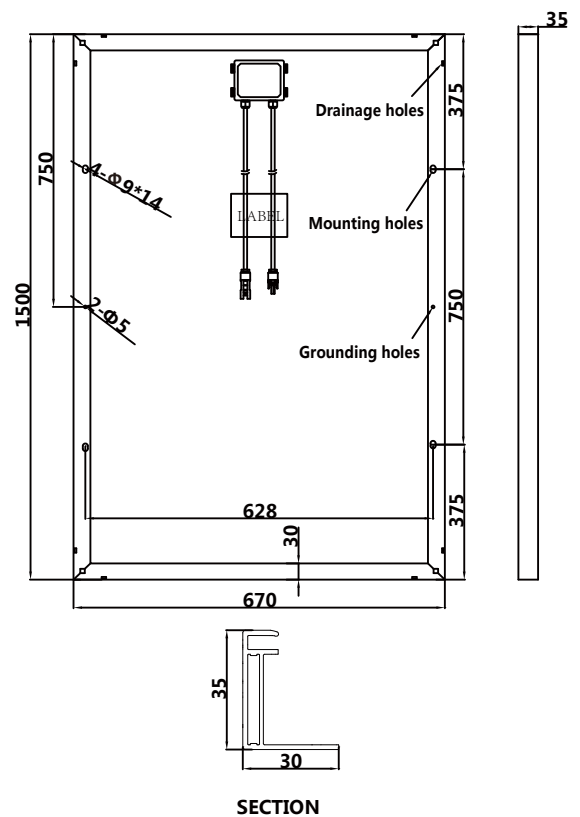
GENERAL CHARACTERISTICS


Dimensions (L / W / H)	1500mm / 670mm / 35mm
Weight	12.0kg

PACKAGING SPECIFICATIONS

Number of modules per pallet	
Number of pallets per 40' container	
Packaging box dimensions (L / W / H)	
Box weight	

Unit: mm



 Warning: Read the Installation and User Manual in its entirety before handling, installing, and operating Yingli Solar modules.

Our Partners:

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