PANDA BIFACIAL 72CELL



PANDA BIFACIAL modules generate power from the front side as well as from the back. Together with the cutting-edge PANDA n-type crystalline silicon solar cells, which wake up earlier than conventional p-type and go to sleep later, the energy yield can be highest increased by 30%.

panda YING



22.0%

CELL EFFICIENCY

10 YEAR

PRODUCT WARRANTY

0-5W

POWER TOLERANCE

Bifacial Power

In contrast to conventional modules, PANDA BIFACIAL modules generate energy from both sides. As the backside makes use of the reflected and scattered light from the surroundings, the modules could yield more.



High Yield

Once used, PANDA BIFACIAL modules generate more energy, because of low LID, good low-light performance and temperature coefficient of n-type monocrystalline silicon solar cells.



Durability

Durable PANDA BIFACIAL modules work well in muggy conditions, and independently tested for harsh environmental conditions beyond IEC standards, such as exposure to salt mist, ammonia, dust or known PID risk factors.



Optimal Self-cleaning@CL

Optimal self-cleaning due to frameless module design.

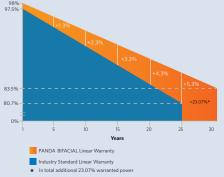


Mechanical Performance@CF

Specially designed aluminium frames enhance the mechanical performance of modules and the installation efficiency of systems.

30 Years Linear Warranty

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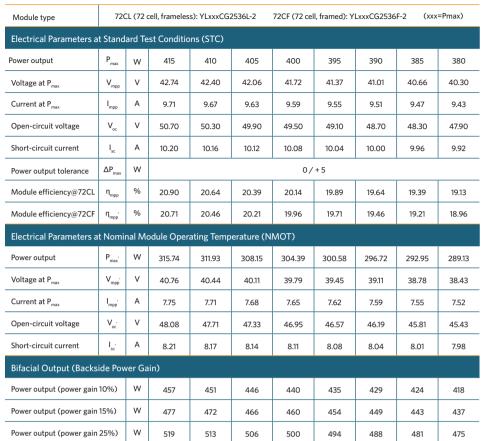


Yingli Green Energy

Yingli Green Energy Holding Company Limited, known as "Yingli Solar", is one of the world's leading solar panel manufacturers with the mission to provide affordable green energy for all. Yingli Solar makes solar power possible for communities everywhere by using our global manufacturing and logistics expertise to address unique local challenges.

PANDA BIFACIAL 72CELL







STC: 1000W·m² irradiance, 25°C cell temperature, AM1.5 spectrum according to EN 60904-3. NMOT: temperature near maximum power point at 800W·m² irradiance, 20°C ambient temperature, 1m·s³ wind speed.

THERMAL CHARACTERISTICS

Nominal module operaing temperature	NMOT	°C	39±2	Bifaciality			
Temperature coefficient of P _{max}	Y _{Pmax}	%/°C	-0.35	Bifaciality of P _{max}	ФРтах	%	82.0
Temperature coefficient of $V_{\rm oc}$	β _{Voc}	%/°C	-0.30	Bifaciality of V _{oc}	Фуос	%	99.1
Temperature coefficient of I _{sc}	α_{lsc}	%/°C	0.04	Bifaciality of I _{sc}	Ф _{Isc}	%	81.5

OPERATING CONDITIONS

CONSTRUCTION MATERIALS

Max. system voltage	1500V _{DC}	Front and back cover (material / thickness)	low-iron semi-tempered glass / 2.5mm x 2	
Max. series fuse rating*	20A	Cell (material / number of busbar)	n-type monocrystalline / 5-12	
Operating temperature range	-40°C to 85°C	Frame (72CL / 72CF)	none / anodized aluminium alloy	
Fire resistance	Class A	Cable (length / cross-sectional area)	200mm / 4mm²	
Hailstone impact (diameter / velocity)	25mm / 23m·s ⁻¹	Junction box (protection degree)	≥ IP67	
Snow load, front (72CL / 72CF) Wind load, back (72CL / 72CF)	3000Pa / 5400Pa 2400Pa / 2400Pa	Plug connector (type / protection degree)	RH 05-8 / IP67 QC4.10- cd / IP68	

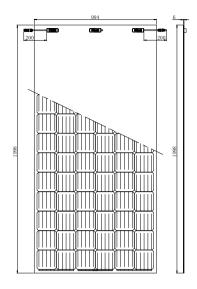
^{*}DO NOT connect Fuse in Combiner Box with two or more strings in parallel connection

PACKAGING SPECIFICATIONS

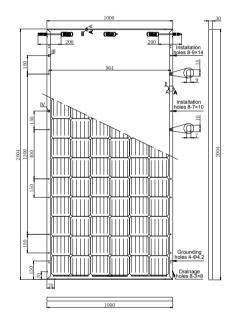
Packaging Specifications@72CL		Packaging Specifications@72CF		
Dimensions (L / W / H)	1998mm/994mm/6mm	Dimensions (L / W / H)	2004mm/1000mm/30mm	
Weight	27.8kg	Weight	29.2kg	
Number of modules per pallet	32	Number of modules per pallet	33	
Number of pallets per 40' container	22	Number of pallets per 40' container	22	
Packaging pallets dimensions (L / W / H)	2127mm / 1125mm / 1177mm	Packaging pallets dimensions (L / W / H)	2063mm / 1090mm / 1167mm	
Pallet weight	962kg	Pallet weight	1014kg	

DS_PANDA BIFACIAL 72CELL_EU_EN_20200101_V0402





Figure@72CL unit: mm





SECTION A-A I







SECTION A-A II Figure@72CF unit: mm

OUALIFICATIONS & CERTIFICATES

IEC 61215, IEC 61730, CE, ISO 9001: 2015, ISO 14001: 2015, BS OHSAS 18001: 2007









- · 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 quaranteed.
- 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. The company reserves the final right to explain any of the data included



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

Yingli Green Energy Holding Co., Ltd.