



panda n-type TOPCon Bifacial Module

700-720 W

MAXIMUM MODULE EFFICIENCY

23.2%

POSITIVE POWER TOLERANCE

0 TO +5 W



IDEAL FOR:

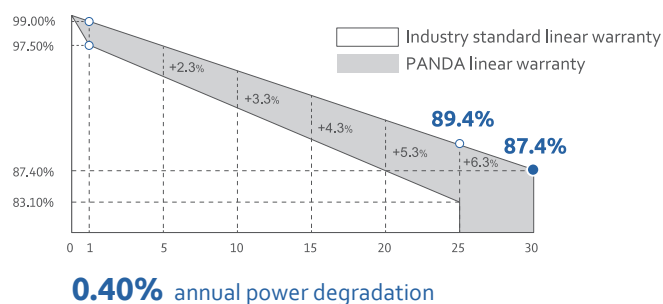
Utility Projects

SIZE MATTERS

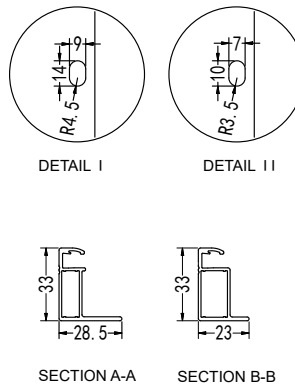
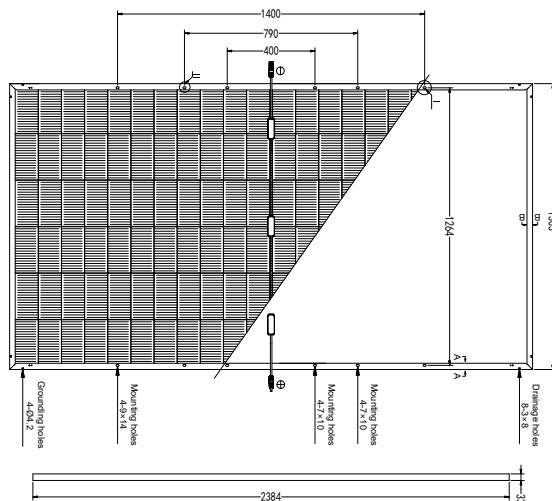
Outstanding Bifaciality | Enhanced Panel Size | Reduced BOS

QUALIFICATIONS & CERTIFICATES

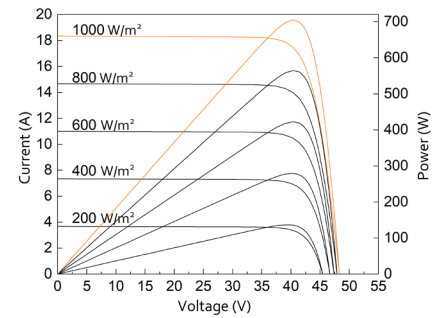
IEC 61215, IEC 61730, CE
ISO 9001: Quality management systems
ISO 14001: Environmental management systems
IEC 62941: Quality system for PV module manufacturing
ISO 45001: Occupational health and safety management systems
SA8000 Standard (Social Accountability International)



BACK VIEW (units: mm)



I-V / P-V CURVES



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

DIMENSIONS 2384 mm / 1303 mm / 33 mm **WEIGHT** 37.3 kg
FIRE RESISTANCE RATING Class A

Electrical Parameters

	YL700CF66 f/2		YL705CF66 f/2		YL710CF66 f/2		YL715CF66 f/2		YL720CF66 f/2	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Power output-Pmax (W)	700	533	705	536	710	540	715	544	720	548
Power output tolerances-ΔPmax (W)	0 / + 5		0 / + 5		0 / + 5		0 / + 5		0 / + 5	
Module efficiency-ηm (%)	22.5		22.7		22.9		23.0		23.2	
Voltage at Pmax - Vmpp (V)	40.55	38.68	40.70	38.83	40.85	38.97	41.00	39.11	41.15	39.25
Current at Pmax-Impp (A)	17.27	13.77	17.33	13.82	17.39	13.86	17.44	13.90	17.50	13.95
Open-circuit voltage-Voc (V)	48.10	45.68	48.30	45.87	48.50	46.06	48.70	46.25	48.90	46.44
Short-circuit current-Isc (A)	18.30	14.74	18.34	14.78	18.38	14.81	18.42	14.84	18.46	14.87

*STC: 1000 W·m⁻² irradiance, 25°C cell temperature, AM 1.5.

*NOCT: open-circuit module operation temperature at 800 W·m⁻² irradiance, 20°C ambient temperature, 1 m·s⁻¹ wind speed.

Bifacial Electrical Parameters at Standard Test Conditions (BNPI*)

	776	782	787	792	798
Power output-Pmax (W)	776	782	787	792	798
Voltage at Pmax - Vmpp (V)	40.55	40.70	40.85	41.00	41.15
Current at Pmax-Impp (A)	19.14	19.20	19.27	19.32	19.39
Open-circuit voltage-Voc (V)	48.10	48.30	48.50	48.70	48.90
Short-circuit current-Isc (A)	20.28	20.32	20.37	20.41	20.45

*1000W·m⁻² on the front side and 135 W·m⁻² on the back side, 25°C cell temperature, AM 1.5. Bifaciality coefficient is 80% ± 5%.

φPmax = 80%, φIsc = 80% and φVoc = 99% with tolerance ±5% for reference. Measurement tolerance: Pmax ±3%, Voc ±3% and Isc ±3%.

Bifacial Output-Rearside Power Gain

	728	733	738	744	749
5% Maximum Power (Pmax)	728	733	738	744	749
Module Efficiency STC (%)	23.5%	23.6%	23.8%	24.0%	24.1%
15% Maximum Power (Pmax)	784	790	795	801	806
Module Efficiency STC (%)	25.3%	25.4%	25.6%	25.8%	26.0%
25% Maximum Power (Pmax)	840	846	852	858	864
Module Efficiency STC (%)	27.1%	27.3%	27.5%	27.7%	27.8%

Thermal Characteristics

Nominal operating cell temperature-NOCT(°C)	42±2
Temperature coefficient of Pmax-γ(°C)	-0.29
Temperature coefficient of Voc-β(°C)	-0.24
Temperature coefficient of Isc-α(°C)	0.042

Operating Conditions

Max. system voltage	1500 Vdc
Max. series fuse rating*	35 A
Operating temperature range	-40°C ~ 70°C
Max. static load, front (e.g., snow)	1600 Pa
Max. static load, back (e.g., wind)	1600 Pa
Max. hailstone impact (diameter / velocity)	25 mm / 23 m·s ⁻¹

*Do not connect fuse in combiner box with two or more strings in parallel connection.

Packaging Specifications

Number of modules per pallet	33
Number of pallets per 40' container	17
Packaging box dimensions (L / W / H)	1340 mm / 1140 mm / 2500 mm
Box weight	1284 kg

Construction Materials

Cell (material / quantity)	n-type monocrystalline silicon / 6 x 22
Glass (thickness)	2.0 mm / 2.0 mm
Frame (material)	Anodised aluminum alloy
Junction box (type / protection degree)	3 bypass diodes / IP68
Plug connector (type)	Staubli EVO2 or Yitong YT18-01 or Renhe RHC2
Cable (length / cross-sectional area)	±1400 mm or customised length / 4 mm ²

- Proudly manufactured in China.
- 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.

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