

66-TCA BIFACIAL DOUBLEGLASS

730W | UP TO 26.05%

▶ TOPCon ADVANCE TECHNOLOGY

Next-generation cell architecture with enhanced passivation for higher output, reduced LID & PID, and stable performance under high temperatures and low light.

▶ DuraGlass™

Ultra-strong tempered glass with advanced anti-reflective coating ensures maximum transparency, impact resistance, and long-term durability in extreme climates.

▶ Phantom Design

Deep black cells with an elegant black frame deliver a modern, premium look that blends seamlessly into architectural projects.

▶ AluForce™ Black Frames

Equivalent to up to +32% higher frame strength under front and side load tests.



COMPLETE SYSTEM AND PRODUCT CERTIFICATIONS



up to
26.05%
maximum efficiency

0~3
power
tolerance

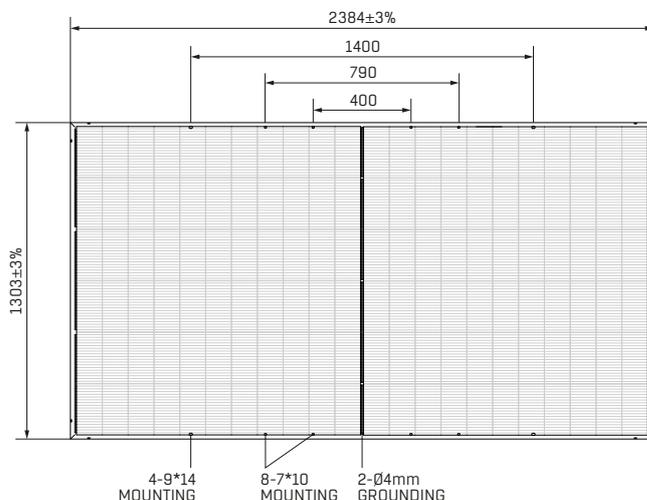
<1%
first year
power degradation

0.35%
year 2-30
power degradation

N-TYPE CELL
lower operating
temperature

MECHANICAL CHARACTERISTICS

Solar Cells	N-type Mono
No. of Cells	132 (12x11)
Dimensions	2384x 1303 x 35mm
Weight	38.5kg
Front / Back Glass	2.0mm coated semi-tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
Output Cables	4.0mm ² , 250mm (+) / 350mm (-) Length can be customized
Connectors	Mc4 compatible
Mechanical load test	Front 6200Pa / Rear 4200Pa



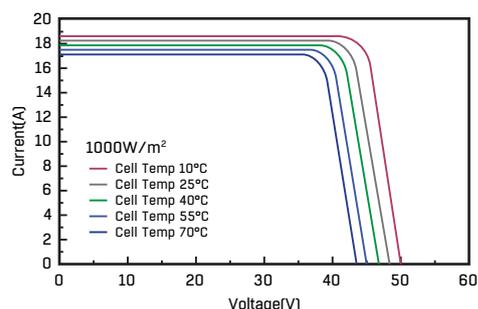
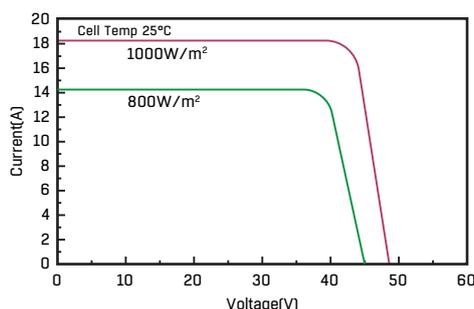
ELECTRICAL PARAMETERS

POWER CLASS	PH66-TCA-720		PH66-TCA-725		PH66-TCA-730	
	STC	BNPI	STC	BNPI	STC	BNPI
Maximum Power (Pmax)	720W	798W	725W	804W	730W	809W
Open Circuit Voltage (Voc)	49.10±3%V	49.25±3%V	49.26±3%V	49.41±3%V	49.40±3%V	49.55±3%V
Short Circuit Current (Isc)	18.56±3%A	20.51±3%A	18.63±3%A	20.59±3%A	18.71±3%A	20.67±3%A
Voltage at Maximum Power (Vmpp)	41.00V	41.12V	41.13V	41.26V	41.25V	41.37V
Current Maximum Power (Impp)	17.56A	19.40A	17.63A	19.48A	17.70A	19.56A
MODULE EFFICIENCY (%)	23.18%	25.69%	23.34%	25.87%	23.50%	26.05%

STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G | NOCT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G m²

PACKING CONFIGURATION

Container	40'HQ
Pieces per pallet	31
Pallets per container	18
Pieces per container	558



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	30A
Power Tolerance	0/+5W

TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature	45±2°C
Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.045%/°C