

COTECH SOLAR · HJT

CSHJ132-700~730

N-Type 210mm Heterojunction Bifacial Dual-Glass Module · 132 half-cells

730 _{Wp}

MAXIMUM
POWER OUTPUT

23.5 %

MAXIMUM
EFFICIENCY

High efficiency & power

- Symmetrical HJT cells reach up to 23.5%
- Thin-film passivation for high open-circuit voltage
- Excellent low-irradiance performance

Best-in-class energy yield

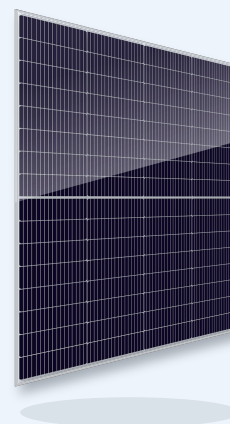
- Lowest temperature coefficient $-0.24\%/^{\circ}\text{C}$
- Up to $85 \pm 5\%$ bifaciality — high rear-side gain
- Near-zero LID and minimal annual degradation

High reliability

- 15-year product & 30-year linear power; $\geq 90\%$ at year 30
- Dual-glass; PID / salt-mist / ammonia resistant
- Stable output in hot and humid climates

Key specifications

Maximum power	700 – 730 Wp
Module efficiency	up to 23.5 %
Open-circuit voltage	49.80 – 50.50 V
Cell type	N-type heterojunction (HJT), 210mm
No. of cells	132 (6×22) half-cut
Dimensions (mm)	2384 × 1303 × 33
Weight	37.0 kg
Bifaciality	$85 \pm 5\%$



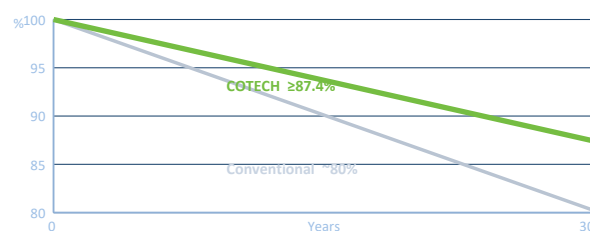
HJT Cell
heterojunction

Bifacial
 $85 \pm 5\%$

Low Temp-Co
better hot-climate yield

Glass · Glass
symmetric bifacial

PERFORMANCE WARRANTY



15-yr product

30-yr power

QUALITY ASSURANCE



EL & flash tested

100% inspected, binned & traceable

APPLICATIONS



Residential



C & I



Utility



Off-grid

QUALITY SYSTEM

ISO 9001

ISO 14001

ISO 45001

CERTIFICATION & QUALIFICATION

IEC 61215

IEC 61730

IEC 61701

IEC 62716

UL 61730

CE

TÜV

ISO 9001/14001/45001

TESTED

✓ Damp heat

✓ Thermal cycling

✓ Humidity-freeze

✓ PID

✓ Salt mist

✓ Ammonia

✓ Mechanical load

✓ Hail



Electrical characteristics at STC

Parameter	700	705	710	715	720	725	730
Maximum power P _{max} (W)	700	705	710	715	720	725	730
Open-circuit voltage Voc (V)	49.80	49.92	50.03	50.15	50.27	50.38	50.50
Short-circuit current Isc (A)	17.55	17.62	17.70	17.77	17.85	17.93	18.00
Voltage at P _{max} V _{mp} (V)	41.60	41.70	41.80	41.90	42.00	42.10	42.20
Current at P _{max} Imp (A)	16.83	16.91	16.99	17.06	17.14	17.22	17.30
Module efficiency η_m (%)	22.53	22.70	22.86	23.02	23.18	23.34	23.50

Electrical characteristics at NMOT

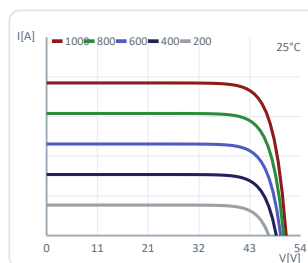
Parameter	700	705	710	715	720	725	730
Maximum power P _{max} (W)	528.5	532.3	536.0	539.8	543.6	547.4	551.1
Open-circuit voltage Voc (V)	46.41	46.53	46.63	46.74	46.85	46.95	47.07
Short-circuit current Isc (A)	14.08	14.13	14.20	14.25	14.32	14.38	14.44
Voltage at P _{max} V _{mp} (V)	38.60	38.70	38.79	38.88	38.98	39.07	39.16
Current at P _{max} Imp (A)	13.35	13.41	13.47	13.53	13.59	13.66	13.72

STC 1000 W/m² · 25 °C · AM1.5 — NMOT 800 W/m² · 20 °C · AM1.5 · 1 m/s — Power tolerance 0 ~ +3 %

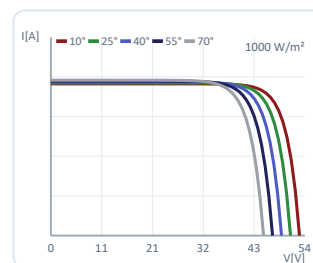
Parameter	Value
Solar cell	N-type heterojunction (HJT), 210mm
Cell size	210 × 105 mm
No. of cells	132 (6×22) half-cut
Busbar	0BB · SMBB
Dimensions	2384 × 1303 × 33 mm
Weight	37.0 kg
Front / back glass	2.0 mm / 2.0 mm tempered, AR coated
Encapsulant	POE
Frame	Anodized aluminium alloy, 33 mm
Junction box	IP68, 3 bypass diodes
Connector	MC4-compatible · EVO2
Output cable	4 mm ² , 400/200 mm

Parameter	Value
NMOT	43 ± 2 °C
Temp. coeff. of P _{max}	-0.24 %/°C
Temp. coeff. of Voc	-0.21 %/°C
Temp. coeff. of Isc	+0.044 %/°C
Operating temperature	-40 °C ~ +85 °C

I-V curve · irradiance



I-V curve · temperature



Bifacial gain & coefficients

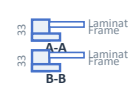
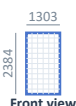
 ϕVoc 98 ± 5% ϕIsc 85 ± 5% $\phi Pmax$ 85 ± 5%

Rear gain	+0%	+10%	+20%	+25%
P _{max} (W)	730	803	876	912
Isc (A)	18.00	19.80	21.60	22.50

Maximum ratings

Parameter	Value
Max system voltage	1500 V DC (IEC/UL)
Max series fuse	30 A
Max test load (front / back)	5400 Pa / 2400 Pa
Application / safety class	Class A / Class II
Fire rating	Class C

Mechanical drawing (mm)

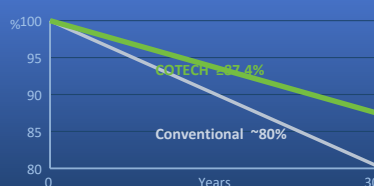


Linear power warranty

15 yr product warranty

30 yr linear power output warranty

1st-year ≤1% · annual ≤0.4% · ≥87.4% at year 30



Packaging

Pieces / pallet	31
Pieces / 20'GP	124
Pieces / 40'HC	620
Pallet size	2450 × 1320 × 1200 mm