SOLARHERO

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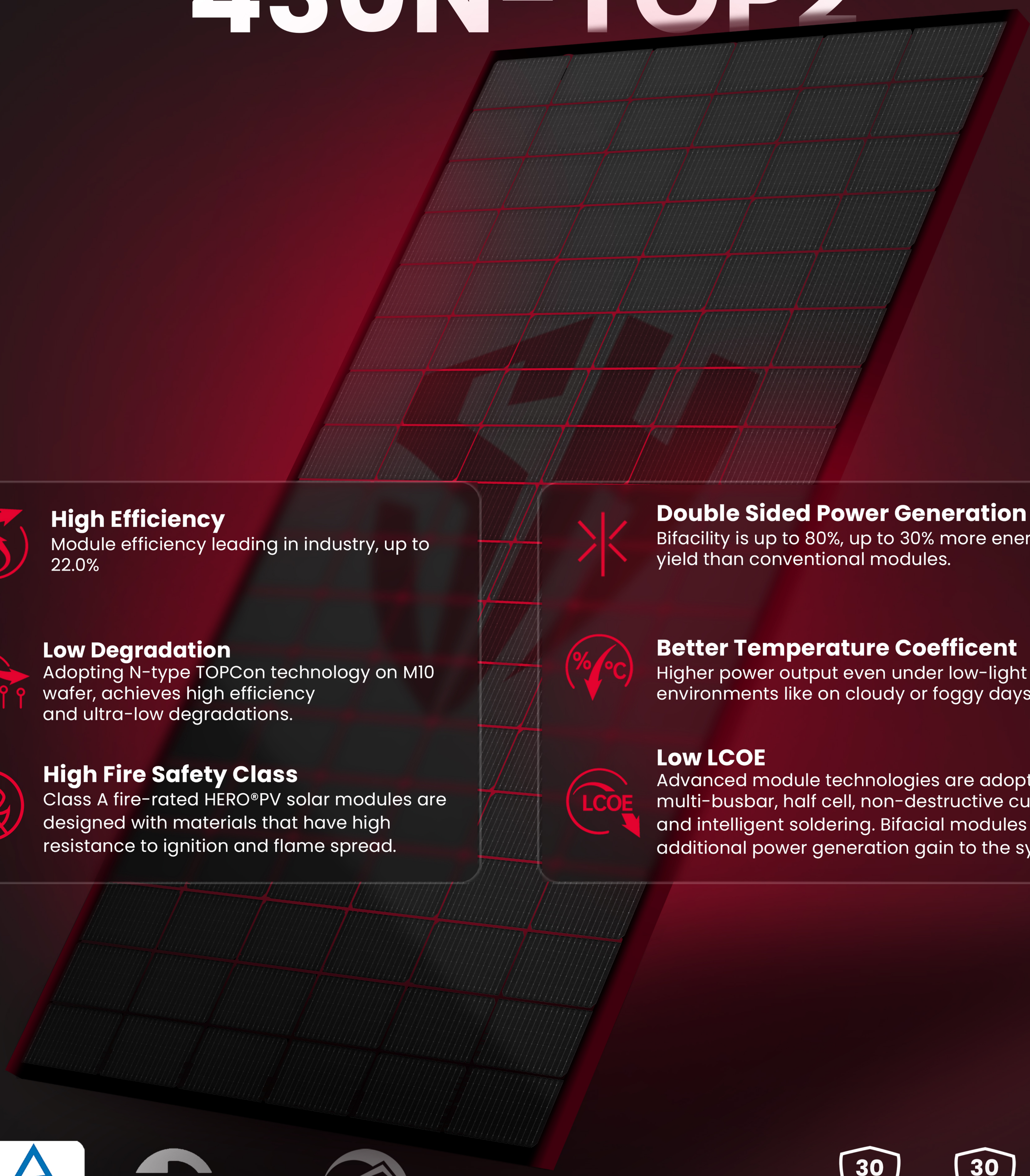
HERO®PV

430N-TOP2



High Efficiency
Module efficiency leading in industry, up to 22.0%

Low Degradation
Adopting N-type TOPCon technology on M10 wafer, achieves high efficiency and ultra-low degradations.

High Fire Safety Class
Class A fire-rated HERO®PV solar modules are designed with materials that have high resistance to ignition and flame spread.

Double Sided Power Generation
Bifacility is up to 80%, up to 30% more energy yield than conventional modules.

Better Temperature Coefficent
Higher power output even under low-light environments like on cloudy or foggy days.

Low LCOE
Advanced module technologies are adopted like multi-busbar, half cell, non-destructive cutting, and intelligent soldering. Bifacial modules bring additional power generation gain to the system.

TÜVRheinland® CERTIFIED

PV CYCLE

Wir sind Mitglied im BSW SOLAR

30 YEAR
Materials and workmanship warranty

30 YEAR
Linear power warranty

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Electrical performance parameters

*STC: Irradiance 1000W/m², Cell Temperature 25° C, AM=1.5

Rated output (Pmpp / Wp)	430
Rated voltage (Vmpp / V)	32.63
Rated current (Impp /A)	13.18
Open circuit voltage (Voc / V)	38.76
Short-circuit current (Isc /A)	13.90
Module efficiency	22.0%
Power tolerance	0~+5W

NMOT: Irradiance 800W/m², Ambient Temperature 20° C, AM=1.5, Wind Speed 1m/s

Rated output (Pmpp / Wp)	323.8
Rated voltage (Vmpp / V)	30.63
Rated current (Impp /A)	10.57
Open circuit voltage (Voc / V)	36.82
Short-circuit current (Isc /A)	11.14

(425W as an example)

Different rear power gains

Power gains	Pmpp/ Wp	Vmpp/V	Impp/A	Voc / V	Isc/A
5%	446	32.42	13.76	38.60	14.52
15%	489	32.42	15.08	38.60	15.90
25%	531	32.42	16.39	38.60	17.29

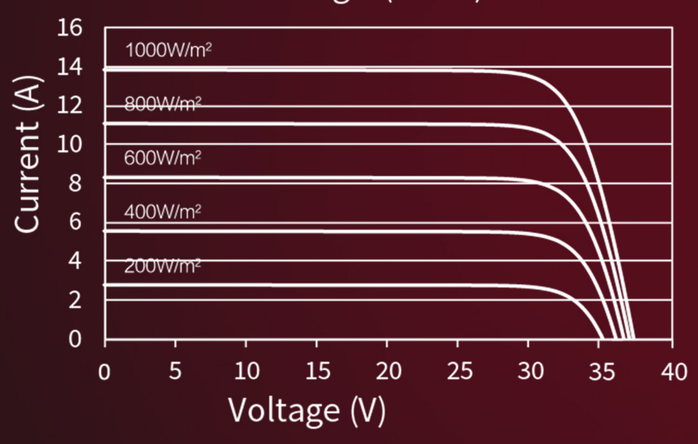
Temperature coefficient

Temperature coefficient (Pmpp)	-0.29%/°C
Temperature coefficient (Isc)	+0.043%/°C
Temperature coefficient (Voc)	-0.24%/°C
Nominal module operating temperature (NMOT)	42±2°C

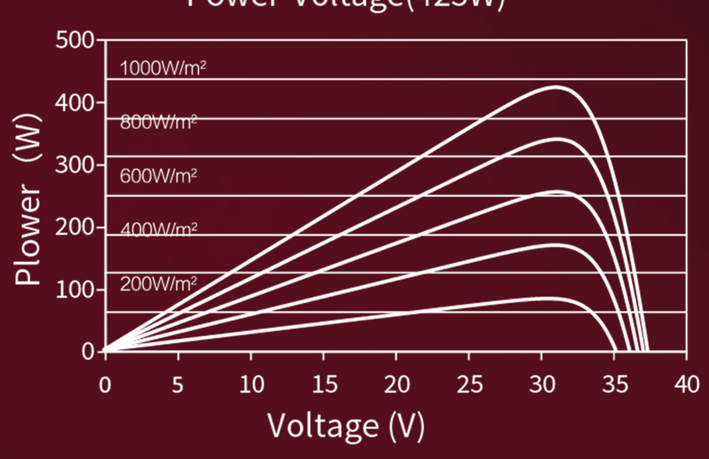
Operating parameters

Max. system voltage (IEC)	1500V$_{DC}$
Number of diodes	3
Junction box protection rating	IP 68
Max. series fuse rating	30 A
Operational temperature	-40~+85°C
Bifaciality rate	80±5%

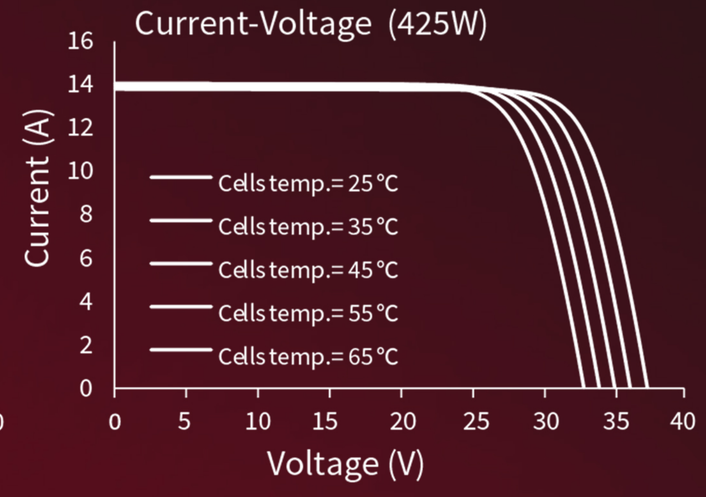
Current-Voltage (425W)



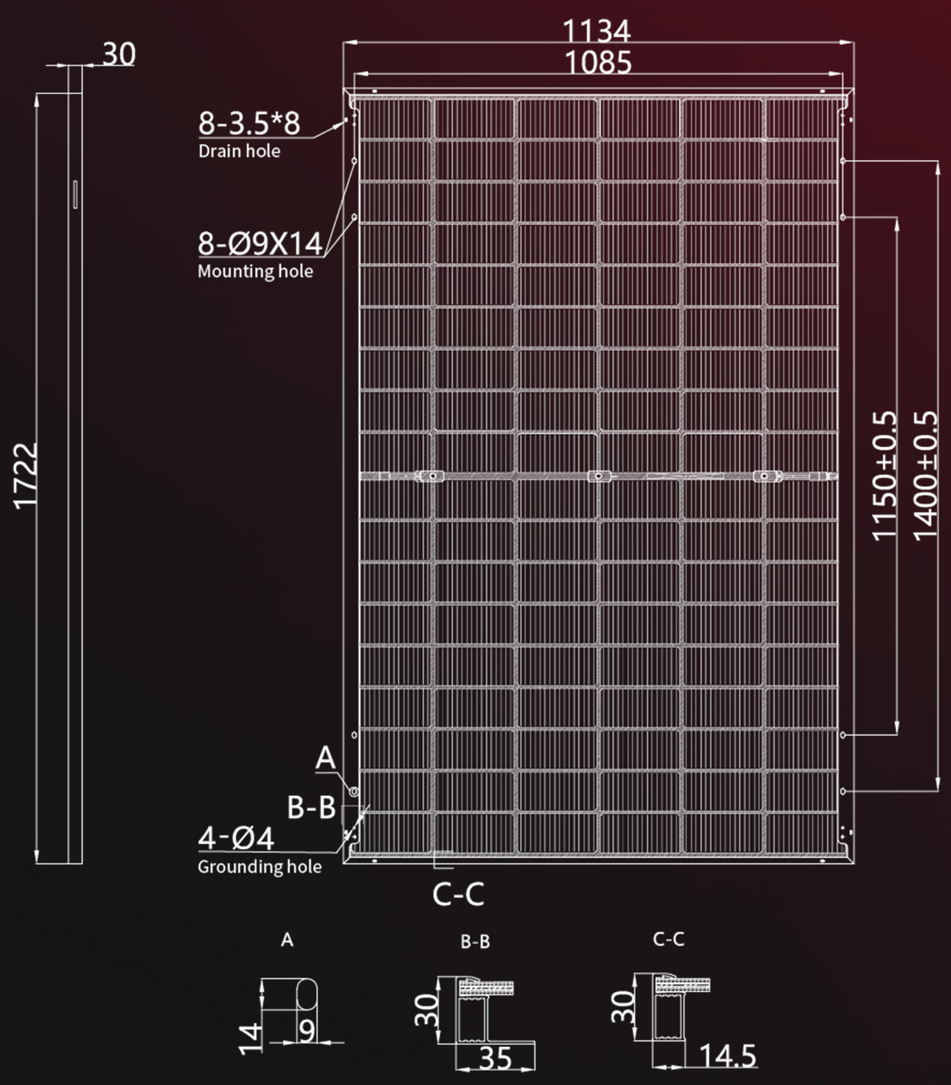
Power-Voltage(425W)



Current-Voltage (425W)



Mechanical parameters



Outer dimensions (L x W x H)	1722 x 1134 x 30 mm
Cell	N type mono-crystalline
Number of cells	108 (6*18)
Frame Type	Aluminum, black anodized
Glass thickness	2.0+2.0 mm
Cable length (including connector)	Cable length is 1.2m (can be customized)
Cable cross-sectional area (IEC)	4 mm² / 12 AWG
①Maximum test mechanical load	5400Pa (front) /2400Pa(rear)
Connector type (IEC)	Original MC4 EVO2 (Stäubli)
Module weight	23.7 kg
Packaging unit	36 pcs / box (Subject to sales contract)
Weight of packing unit	896 kg / box
Modules per 40' HQ container	936 pcs

① Please refer to the installation manual or contact us to confirm.
The maximum test mechanical load = 1.5× maximum design mechanical load.

Measurement tolerance of the rated power 3% depending on equipment. The specifications and average values can vary slightly. A possible light-induced degradation after commissioning is not taken into account.