

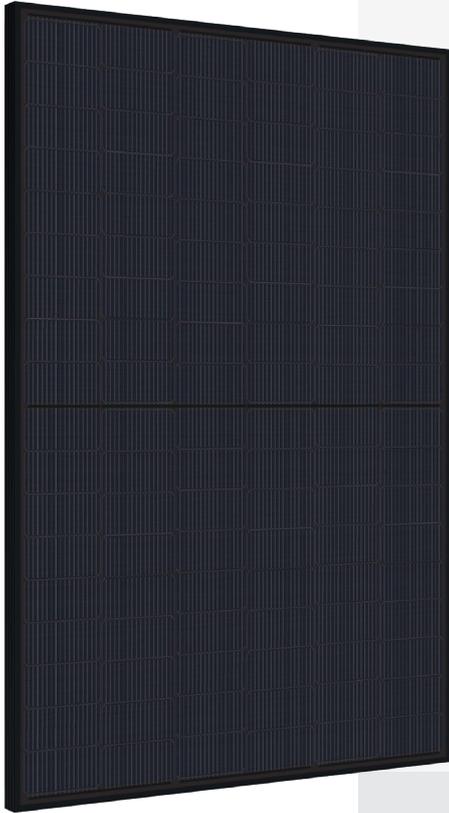


UVcell430N-108BMH

UVcell430N-108BMH
UVcell425N-108BMH

UVcell420N-108BMH
UVcell415N-108BMH

KEY FEATURES



TOPcon TOPcon Technology



Higher Output Power



MBB Technology With Circular Ribbon



Positive Tolerance Offer



Bifacial Cells, Converting More Sunlight Into Electricity



Better Shading Tolerance



Better Temperature Coefficient



Excellent PID Resistance



Lower LCOE



UL 61730 & CSA 61730
IEC 61215 & IEC 61730

430W

Highest power output

22.02%

Module efficiency

1.0%

First-year degradation warranty

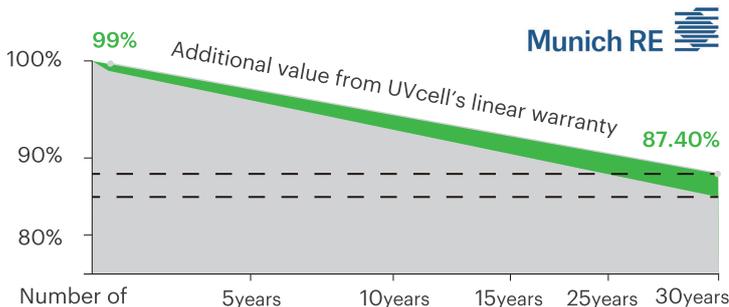
0.4%

Annual degradation over 30 years

12 YEAR
QUALITY ASSURANCE

30 YEAR
POWER OUTPUT GUARANTEE

WARRANTY



■ Topcon Bifacial ■ PERC Viafacial

ABOUT UVcell

Uvcell Solar is a solar solution provider based in Ontario, California that offers reliability, high efficient solar products globally. UVcell products is OEM by world class Tier 1 manufacturer.

PRODUCT CERTIFICATION



WWW.UVCELLSOLAR.COM

Electrical Characteristics at Standard Test Conditions(STC)

Module type	UVcell430N-108BMH	UVcell425N-108BMH	UVcell420N-108BMH	UVcell415N-108BMH
Maximum Power - Prax (W)	430	425	420	415
Open Circuit Voltage - Voc (V)	38.5	38.4	38.11	37.92
Short Circuit Current - Isc (A)	14.24	14.16	14.07	13.99
Maximum Power Voltage - Vmpp (V)	31.89	31.72	31.52	31.33
Maximum Power Current - Imp (A)	13.5	13.4	13.32	13.24
Module Efficiency	22.02%	21.76%	21.51%	21.25%

Standard Test Conditions (STC): irradiance 1,000 W/m²; AM 1.5; module temperature 25°C Prax Sorting : 0-5W. Measuring Tolerance: ±3%.

Remark: Electrical data do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

Electrical Characteristics with different rear side power gain(reference to 570 front)

Prax (W)	Voc (V)	Isc (A)	Vmpp (V)	Imp (A)	Prax gain
599	51.07	14.96	42.34	14.15	5%
628	51.07	15.68	42.34	14.83	10%
684	51.11	17.10	42.29	16.18	20%
713	51.11	17.81	42.29	16.85	25%

Material Characteristics

Dimensions	1722×1134×30mm (L×W×H) 67.80*44.65*1.18 inches (L×W×H)
Weight	21.4kg / 47.18lbs
Frame	Black anodized aluminum profile
Front Glass	AR-Coating toughened glass, 3.2 mm
Back Glass	Transparent black-mesh backsheet
Cells	12×9 pcs mono solar cells series strings
Junction Box	IP68, 3 diodes
Cable	Potrait: 500 mm (cable length can be customized) , 1×4 mm ² or 12AWG

System Design

Maximum System Voltage [V]	1500
Series Fuse Rating [A]	30
Bifaciality	70% ± 10%
Fire Rating	Class C for IEC and TYPE 29 for US
Protection Class	Class II
Temperature Range	-40 °C to + 85 °C + 5400/-2400 Pa
Maximum Surface Load	+ 113/-50 psf
Application class	class A
Withstanding Hail	Maximum diameter of 25 mm with impact speed of 23 m/s

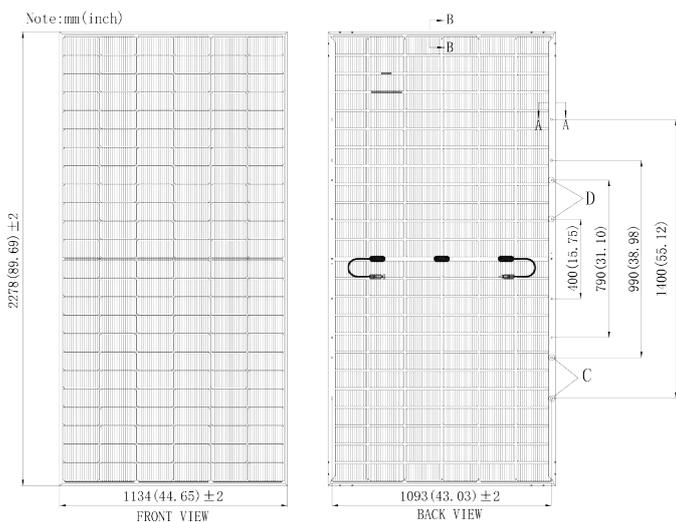
Packaging

Dimensions(LxWxH)	2310x1125x1253mm/90.94*44.29*49.33inches
Quantity per pallet	30 pcs
Container 20'	150
Container 40'	300
Container 40'HC	600 or 540 for US

Temperature Characteristics

NOCT	45°C(±2°C)
Voltage Temperature Coefficient	-0.26%/°C
Current Temperature Coefficient	+0.046%/°C
Power Temperature Coefficient	-0.30%/°C

Dimensions



IV-Curves

