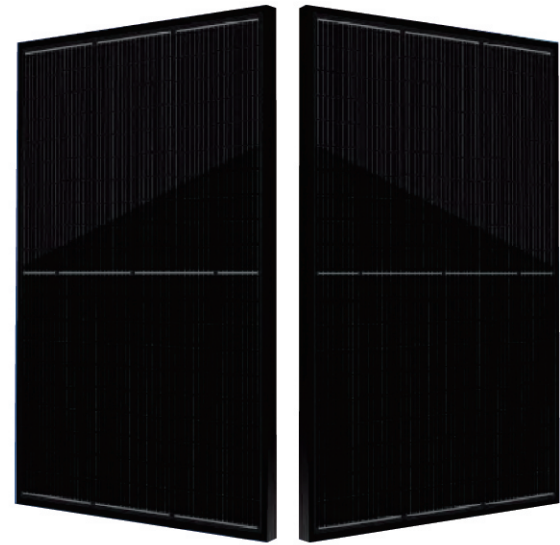


Apollo-M672BH-445BB

BIFACIAL MODULE WITH BLACK BACKSHEET



425-445 WATTS
425BB 430BB 435BB 440BB 445BB

Key Features



Multi Busbar Technology

Better light trapping and current collection to improve module power output and reliability.



PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



Light-weight design

Light-weight design using transparent backsheet for easy installation and low BOS cost.



Enhanced Mechanical Load

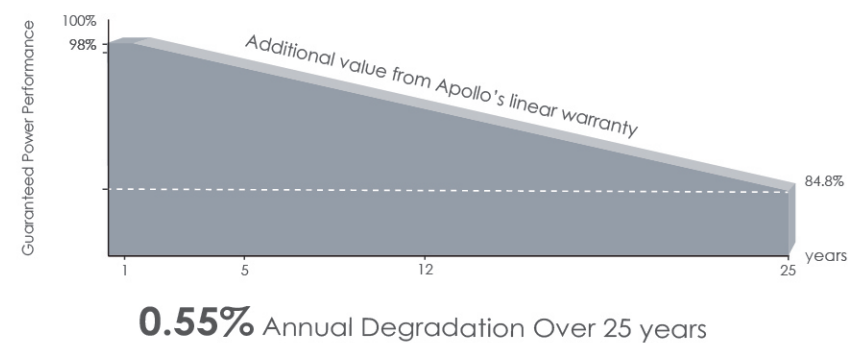
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Higher Power Output

Bifaciality generally allows 5-25% more power output, bringing significantly lower LCOE and higher IRR.

Linear Performance Warranty

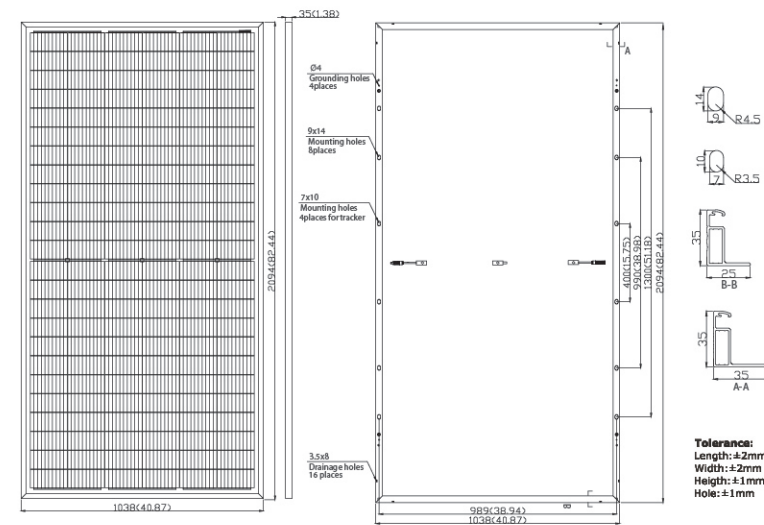


12 YEARS Guarantee on product material and workmanship

25 YEARS linear power output warranty

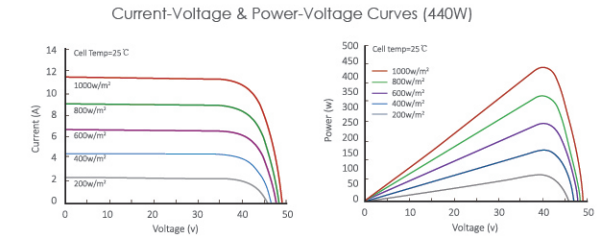


Engineering Drawings



* The above drawing is a graphical representation of the product.

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Mono cell (166x83mm)
No. of cells	144 (72*2) pcs
Dimensions	2094×1038×35mm
Weight	23 kg
Front Glass	3.2mm, AR coated tempered glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 diodes
Connector	MC4 compatible
Length Of Cable	4.0mm ² , 300mm, or can be customized
Fire Type(Rating)	UL Type 1 / IEC Class C

Specifications

Module Type	Apollo-M672BH-425BB	Apollo-M672BH-430BB	Apollo-M672BH-435BB	Apollo-M672BH-440BB	Apollo-M672BH-445BB
Electrical Properties STC*					
Maximum Power (Pmax)	425W	430W	435W	440W	445W
Maximum Power Voltage (Vmp)	40.50	40.70	40.90	41.10	41.30
Maximum Power Current (Imp)	10.50	10.57	10.64	10.71	10.78
Open-circuit Voltage (Voc)	48.30	48.50	48.70	48.90	49.10
Short-circuit Current (Isc)	11.23	11.31	11.39	11.46	11.53
Module Efficiency STC (%)	19.6%	19.8%	20.0%	20.2%	20.5%
Operating Temperature(°C)	-40°C~+85°C				
Maximum system voltage	1500VDC (IEC)				
Maximum series fuse rating	20A				
Power tolerance	0~+5W				
Temperature coefficients of Pmax	-0.340%/°C				
Temperature coefficients of Voc	-0.263%/°C				
Temperature coefficients of Isc	0.054%/°C				
Nominal operating cell temperature (NOCT)	45±2°C				

*STC (Standard Test Condition): Irradiance 1000W/m², Cell Temperature 25°C, AM 1.5

Electrical Properties NOCT*	425W	430W	435W	440W	445W
Peak Power (Pmax / W)	317.5	321.2	324.9	328.6	332.3
MPP Voltage (Vmp / V)	37.70	37.90	38.10	38.30	38.50
MPP Current (Imp / A)	8.41	8.47	8.53	8.59	8.64
Open Circuit Voltage (Voc / V)	45.50	45.60	45.70	45.80	46.00
Short Circuit Current (Isc / A)	9.09	9.15	9.21	9.27	9.33

*NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s

Packaging

Pallet 31 pcs / 40'HC / 737pcs

DATASHEET IS SUBJECT TO CHANGE AT ANY TIME WITHOUT APPROVAL
The specifications and key features in this datasheet may deviate slightly from our actual products due to ongoing innovation and product improvement. Apollo reserves the right to adjust this datasheet at any time without prior written notice December 26 th, 2022