

N-Type TOPCon



TYDM108H-430/435

108 CELL Mono PERC Module	430-435 Wp Power Output Range
1500 VDC Maximum System Voltage	22.3% Maximum Efficiency

KEY SALIENT FEATURES

-  Industry leading lowest thermal co-efficient of power
-  12 years product warranty
-  30 years linear power warranty
-  Excellent low irradiance performance
-  Excellent PID resistance
-  Positive tight power tolerance
-  Dual stage 100% EL Inspection warranting defect-free product
-  Module Imp binning radically reduces string mismatch losses
-  Excellent wind load 2400Pa & snow load 5400Pa under certain installation method
-  Comprehensive product and system certification
 - ◆ IEC 61215:2016; IEC61730-1/-2:2016
 - ◆ ISO9001:2015 Quality Management System
 - ◆ ISO14001:2015 Environmental Management System



* Implementation of product standards:

IEC61215-1:2016	IEC61215-1-1:2016	IEC61215-2:2016	IEC61730-1:2016
IEC61730-2:2016	EN61215-1:2016	EN61215-2:2017	EN61215-1-1:2016
EN IEC61730-1:2018	EN IEC61730-2:2018	IEC61853-1:2011	IEC61701:2011
IEC TS 62941:2016	EN61000-6-1:2007	IEC61000-6-1:2016	IEC61000-6-3:2011
EN50380:2003	IEC TS62804-1:2015	IEC62716:2013	IEC60068-2-68 LCS
EN61000-6-3:2007+A1:2011+AC:2012		ISO9001:2015	ISO14001:2015

* As there are different certification requirements in different markets, please contact us for the specific certificates applicable to the products in the region in which the products are to be used.

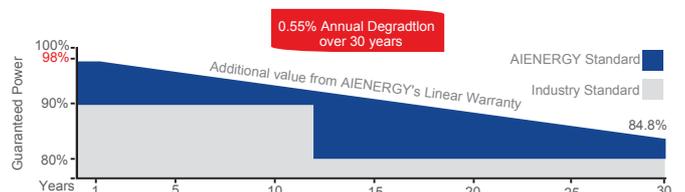
AIENERGY GROUP

AIENERGY GROUP focus on energy for more than twenty years, we invested lots of valuable industries and companies and owned multiple brands, our partners are all over the world. AIENERGY's photovoltaic solar modules are available in dozens of countries and regions and are used extensively in ground-mounted power plants, commercial & industrial rooftop PV systems and residential rooftop PV systems. With its advantages of continuous technological innovation, sound financial performance, and well-established global sales and service networks, we have been well received and highly recognized by clients from home and abroad.

aienergyindustry.com

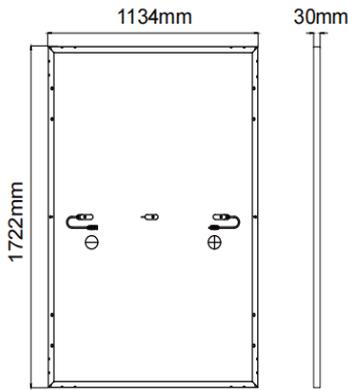
LINEAR PERFORMANCE WARRANTY

12 year Product Warranty/30 year Linear Power Warranty



* please check the valid version of Limited Product Warranty which is officially released by AIENERGY GROUP.

Dimensions of PV Module Unit:mm



ELECTRICAL DATA(STC)

Model Number	TYDM108H-430	TYDM108H-435
Rated Power in Watts-Pmax(Wp)	430	435
Open Circuit Voltage-Voc(V)	38.40	38.58
Short Circuit Current-Isc(A)	14.09	14.19
Maximum Power Voltage-Vmpp(V)	32.27	32.42
Maximum Power Current-Impp(A)	13.33	13.42
Module Efficiency(%) ★	22.02	22.3

STC:Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3-2017.

★ Module Efficiency(%):Round-off to the nearest number

ELECTRICAL DATA(NMOT)

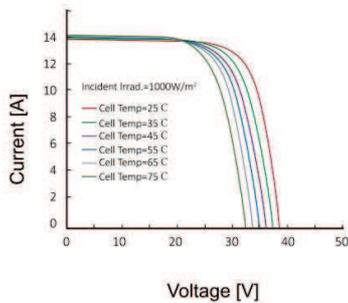
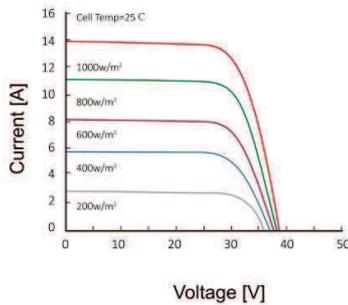
Model Number	TYDM108H-430	TYDM108H-435
Maximum Power -Pmax(Wp)	324	328
Open Circuit Voltage-Voc(V)	36.52	36.72
Short Circuit Current-Isc(A)	11.37	11.44
Maximum Power Voltage-Vmpp(V)	30.43	30.60
Maximum Power Current-Impp(A)	10.65	10.72

NMOT:Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

MECHANICAL DATA

Solar cells	Monocrystalline
Cell configuration	108 cells(6×9+6×9)
Module dimensions	1722×1134×30mm
Weight	21.5kg±3%
Substrate	High Transmission,Low Iron, Tempered ARC Glass
Superstrate	White Back-sheet
Frame	Anodized Aluminium Alloy type 6005-2T6, Silver/Black Color
J-Box	Potted,IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm ² (12AWG),Positive(+)300mm,Negative(-)300mm(Connector Included)
Connector	MC4,IP68

TYDM108H-435



TEMP ERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature(NMOT)	45°C±2°C
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	0.043%/°C
Temperature Coefficient of IPamx	-0.30%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Max Series Fuse Rating	25A
Limiting Reverse Current	25A

PACKAGING CONFIGURATION

	40HQ
Number of modules per container	936
Number of modules per pallet	72
Number of pallets per container	13