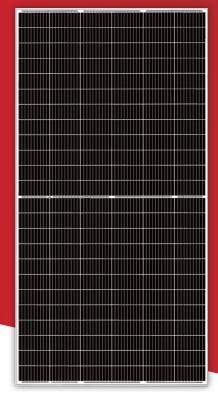


HI- K ILO 435-450W

High Efficiency Half-Cell Mono PERC Module





Excellent low irradiance performance.



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



Industry leading lowest thermal co-efficient of power.



Optimized electrical design and lower operating current for reduced hot spot loss and better temperature coefficient.



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



100% triple EL test enabling remarkable reduction of hidden crack rate of modules

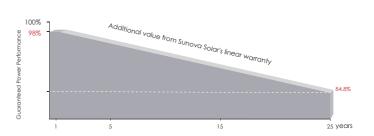
PERFORMANCE INSURANCE







LINEAR PERFORMANCE WARRANTY



years
Product quality & process guarantee

25 years Linear power guarantee **0.55** % Annual Degradation Over 25 years

COMPREHENSIVE CERTIFICATES











ISO 9001: Quality Management System

ISO 14001: Environmental Management System Standard
OHSAS 18001: International Occupational Health and
Safety Assessment System Standard

* Different markets have different certification requirements. Also, the products are under rapid innovation. Please confirm the certification status with regional sales representatives.

Make it happen www.sunova-solar.com

ELECTRIC CHARACTERISTICS



Model of modules	SS-435-72MD SS-435-72MDH		SS-440-72MD SS-440-72MDH		SS-445-72MD SS-445-72MDH		SS-450-72MD SS-450-72MDH	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
$\operatorname{Maximum\ power} - \operatorname{P}_{\operatorname{mp}}(\operatorname{W})$	435	330	440	334	445	338	450	342
Open-circuit voltage — V _{oc} (V)	50.04	47.38	50.08	47.44	50.24	47.59	50.40	47.76
Short-circuit current $-I_{sc}(A)$	11.26	9.05	11.33	9.10	11.40	9.16	11.47	9.22
${\it Maximum power voltage-V_{mp}(V)}$	40.87	38.51	40.97	38.61	41.17	38.81	41.30	38.94
${\rm Maximum\ power\ current} - {\rm I}_{\rm mp} {\rm (A)}$	10.66	8.57	10.74	8.66	10.81	8.71	10.90	8.79
Module efficiency $-\eta_{m}$ (%)	19.7%		20.0%		20.2%		20.4%	
Power tolerance (W)	(0,+5)							
Maximum system voltage (V)	1000 / 1500							
Maximum rated fuse current (A)	15							
Current operating temperature (°C)	-40~+85 °C							

STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25 °C , Spectra at AM1.5 NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/s

STRUCTURAL CHARACTERISTICS

Module dimensions (L*W*H)	2108 x 1046 x 35 mm		
Weight	24.0 kg		
Number of cells	144 cells		
Cell	PERC Monocrystalline 166x83 mm		
Glass	Tempered, 3.2 mm AR, High transmittance, Low iron		
Frame	Anodized aluminum alloy		
Junction box	IP67		
Output wire	4.0 mm², wire length: 300 mm or Customized Length		
Connector	MC4 Compatible		
Mechanical load	Snow load: 5400 Pa / Wind load: 2400 Pa		

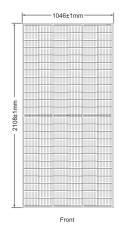
TEMPERFORMANCE RATINGS

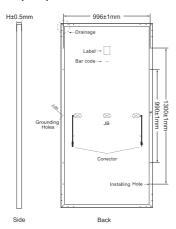
Temperature coefficient (P _{max})	-0.37 %/°C
Temperature coefficient (V _{oc})	-0.29 %/°C
Temperature coefficient (I _{sc})	+0.05 %/°C
Nominal operating cell temperature	45±2°C

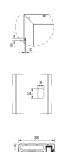
PACKAGING CONFIGURATION

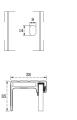
Container	40HQ
Quantity/pallet	31
Pallets/container	22
Quantity/container	704

MODULE DIMENSIONS (MM)



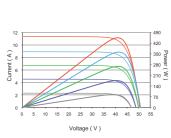




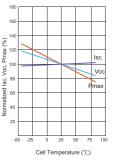


Curves (450W) - 1000w/m² — 800w/m² — 600w/m² — 400w/m² — 200w/m²

Current-Voltage & Power-Voltage









E-mail: info@sunova-solar.com

* The technical parameters contained in this datasheet may deviate slightly, and Sunova does not guarantee that they are completely accurate. Due to continuous innovation, research and development and product improvement, Sunova reserves the right to adjust the information in this datasheet at any time without prior notice. The customer should obtain the latest version of datasheet when signing the contract and make it an integral part of the binding contract signed by both parties. The Chinese (or other language) translation files of this datasheet are for reference only. If there is any inconsistency between the English version and the Chinese version (or other language versions), the English version shall prevail.

Make it happen SD202205001EN