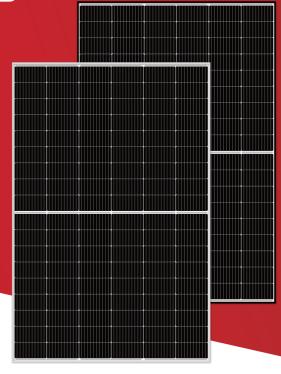




# Zosma<sup>™</sup> S 395-415W

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 coefficient



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



Certified to withstand 2400 Pa of wind load and 5400 Pa of snow load



100% triple EL test, which greatly reduces the hidden cracks rate

## PERFORMANCE INSURANCE





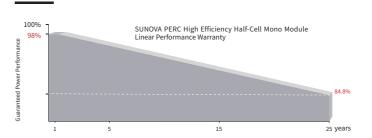






<sup>\*</sup> Optional performance warranty insurance. Please contact our local sales representatives for more information.

# LINEAR PERFORMANCE WARRANTY



Product quality & process guarantee

Linear power guarantee

Annual degradation over 25 years

# **COMPREHENSIVE CERTIFICATES**

















IEC61215/IEC61730/IEC61701/IEC62716/ IEC62804/IEC60068/UL61730

ISO 9001: Quality Management System

ISO 14001: Environmental Management System Standard

ISO 45001: International Occupational Health and

Safety Assessment System Standard

SA 8000: 2014 Social Accountability Management System

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

### **ELECTRICAL CHARACTERISTICS**



Model of modules	SS-395-54MDH		SS-400-54MDH		SS-405-54MDH		SS-410-54MDH		SS-415-54MDH	
	STC	NOCT								
Maximum power — P <sub>mp</sub> (W)	395	294	400	298	405	302	410	306	415	310
Open-circuit voltage — V <sub>oc</sub> (V)	36.93	34.86	37.18	35.10	37.33	35.24	37.68	35.57	37.79	35.67
Short-circuit current $-I_{sc}(A)$	13.24	10.70	13.39	10.82	13.44	10.86	13.59	10.98	13.72	11.08
Maximum power voltage − V <sub>mp</sub> (V)	31.21	29.22	31.42	29.41	31.55	29.54	31.84	29.81	31.94	29.90
${\rm Maximum\ power\ current} - {\rm I}_{\rm mp}  {\rm (A)}$	12.66	10.07	12.74	10.14	12.84	10.22	12.88	10.25	13.01	10.35
Module efficiency $-\eta_m$ (%)	20.23		20.48		20.74		21.00		21.25	
Power tolerance (W)	(0,+5)									
Maximum system voltage (V)	1500									
Maximum rated fuse current (A)	25									
Current operating temperature (°C)	-40~+85 °C									

 ${\bf STC} \quad {\bf (Standard\ Testing\ Conditions): Irradiance\ 1000W/m^2, Cell\ Temperature\ 25\ ^{\circ}C\ ,\ Spectra\ at\ AM1.5}$ 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)	1722 x 1134 x 30 mm			
Weight	21.5 kg			
Number of cells	108 cells			
Cell	PERC Monocrystalline			
Glass	Tempered, 3.2 mm AR, High transmittance, Low iron			
Frame	Anodized aluminum alloy (Silver/Black)			
Junction box	IP68, 3 bypass diodes			
Output wire	4.0 mm², wire length: 300mm / 1200mm / customized			
Connector	MC4 Compatible			
Mechanical load	Snow load: 5400 Pa / Wind load: 2400 Pa			

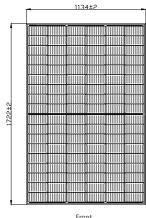
#### **TEMPERATURE RATINGS**

Temperature coefficient (P <sub>max</sub> )	-0.33 %/°C
Temperature coefficient (V <sub>oc</sub> )	-0.26 %/°C
Temperature coefficient (I <sub>sc</sub> )	+0.05 %/°C
Nominal operating cell temperature	43±2°C

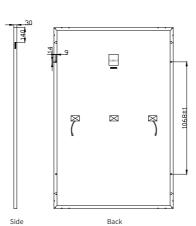
## PACKAGING CONFIGURATION

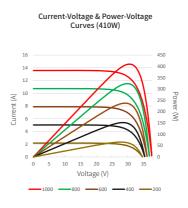
Container	40HQ
Quantity/pallet	36
Pallets/container	26
Quantity/container	936

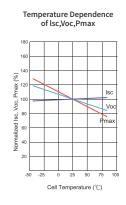
## **MODULE DIMENSIONS (MM)**











<sup>\*</sup> The unmarked tolerance is ±1 mm





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E-mail: info@sunova-solar.com

\*The technical parameters contained in this datasheet may deviate slightly, Sunova Solar does not guarantee that they are completely accurate. Varying optional data could be for different regions or prices. Please contact commercial people for confirmation. Due to continuous innovation, research and development and product improvement, Sunova Solar reserves the right to adjust the information in this datasheet are for in the interest 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 lites 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.

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Length shown in mm