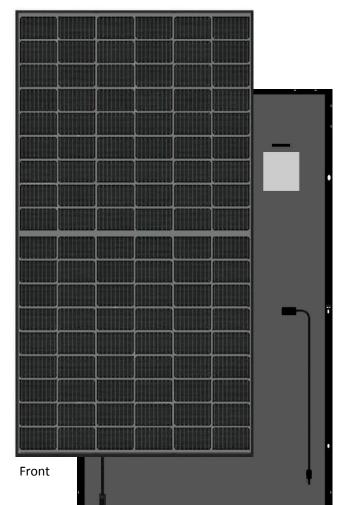


TopCon N-Type SS-420 to 430-108M-B



Quality Product

All Manufactured modules are tested 100% by EL (Electroluminescence) during the Production Process & Free from micro cracks.

Our high-performance modules are highly efficient, reliable and provide optimal output. The company manufactures solar modules in compliance with global standard including IEC 61215, 61730-1, 61730-2, 61701, UL 1703, UL 61730, ISO 9001:2008 & ISO 14001:2004 & 18001:2007.

High Efficiency .

High Module efficiency is obtaining top performance even in diffused light conditions. We are leaders in providing our customers with maximum sunlight conversion.

Application Possibilities

Residential and Commercial rooftops, Car ports, Solar Farming, Balconies, Awnings, Street lights, Fences, and Canopies.

Our Team

We have a team of qualified experts and engineers making sure that modules produce maximum power. We pride ourselves in caring for each individual customer needs with detailed attention. Our end goal is to give a highly efficient product with exceptional customer service.

Guarantee

Our product is durable and has 30 years performance warranty. Integrated manufacturing of cells & modules in production line guarantees optimum performance.

US OFFICE:

Sonali Energies USA LLC 111 Charlotte Place Suite 101A Englewood Cliffs, NJ 07632 Office Tel: 201-568-1424 info@sonalisolar.com

Back



TopCon N-Type SS-420 to 430-108M-B

Electric Performance Paran	neter			
Model	SS-420-108M-B	SS-430-108M-B		
Nominal Maximum Power (Pmax/	/W) 420	430		
Optimum Operating Voltage (Vmp	o/V) 32.00	32.60		
Optimum Operating Current (Imp	/A) 13.10	13.17		
Open Circuit Voltage (Voc/V)	37.80	38.00		
Short Circuit Current (Isc/A)	13.92	13.99		
Module Efficiency STC (%)	21.48%	21.99%		
 * Measurement Power Tolerance on Power 0 / +% * Under Standard Test Conditions (STC) of irradiance of 1000W/m2 * Maximum System Voltage: 1500v IEC/UL 		 * Normal Operating cell Temperature (NOCT) of irradiance of 800W/m2, 45± 2° C * Spectrum AM 1.5 and cell temperature of 25 °C * Max Static Load Front Side upto 5400pa and Back side upto 2400pa 		
Mechanical Parameter		Temperature Coefficient		
Module Dimensions	1724 X 1134 X 35 mm / 67.87 X 44.65 X 1.37 in	Coefficient of Current	+0.048% /°C	
Weight	22 kgs / 48.5lbs	Coefficient of Voltage	-0.29% /°C	
Cell Size (Monocrystalline)	182x91 mm / 7.17x3.58 in	Coefficient of Power	-0.35% /°C	
No Of Cell	108 (6 X 18)	Tested Operating Conditions		
Junction Box	IP68, 3 Bypass diodes	Temperature Cycling Range	-40°C to 85°C	
Solar Cable Length (4mm ²)	1200mm (47.24inch)	Humidity Freeze, Damp Heat	85% RH	
Connectors	MC4 compatible	Product Warranty		
Glass (Tempered & Low Iron)	3.2mm (0.125in) ARC	Product Warranty	25 Years	
Encapsulate	EVA	Linear Performance Warrant	First 10 Years up to 90%,	
Back Cover	Black Backsheet		next 20 years up to 80%	
Frame (Black)	Anodized Aluminum Alloy	Packaging		
Max.Fuse Rating 25A		31pcs/Pallet , 806pcs/Container		
Module Drawing		IV Curve		

