

565 Wp - 595 Wp

N-TYPE TOPCON 16BB

30 YEARS WARRANTY FOR
LINEAR PERFORMANCE*



12 YEAR PRODUCT WARRANTY
ON MATERIALS AND
WORKMANSHIP*



FEATURES:



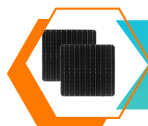
**PID Free /Low LID
Protection**



**Positive Tolerance @
0~5W**



**100% in Line Hi-Pot
Testing**



**M16 N-TYPE
TOPCON**

Benefits of Solarious Solar Panels



Super Performance



Quality Materials



**Advanced Technology
Warranty and Support**

144 HALF CUT N-TYPE TOPCON MONO-FACIAL MODULE

TECHNICAL SPECIFICATION SLMN-M16-144-XXX

ELECTRICAL SPECIFICATION (STC)

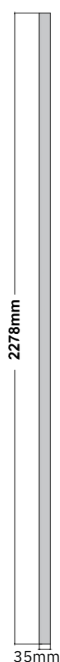
Maximum Power (Pmp)	565	570	575	580	585	590	595
Open Circuit Voltage (Voc)	51.82	51.99	52.15	52.31	52.47	52.63	52.78
Short Circuit Current (Isc)	13.82	13.89	13.95	14.01	14.07	14.13	14.19
Maximum Power Voltage (Vmp)	42.81	42.99	43.17	43.35	43.53	43.71	43.89
Maximum Power Current (Imp)	13.20	13.26	13.32	13.38	13.44	13.50	13.56
Module Efficiency %	21.88	22.07	22.26	22.45	22.65	22.85	23.05
Power Tolerance (Positive Only)	0 to +5W	0 to +5W	0 to +5W	0 to +5W	0 to +5W	0 to +5W	0 to +5W

Under Standard Test Conditions (STC) of irradiance 1000 W/m², spectrum AM 1.5 and cell temperature of 25 °C , Except Pmax all other parameter have a tolerance of ± 3%, No Negative Power Tolerance in Nominal Power

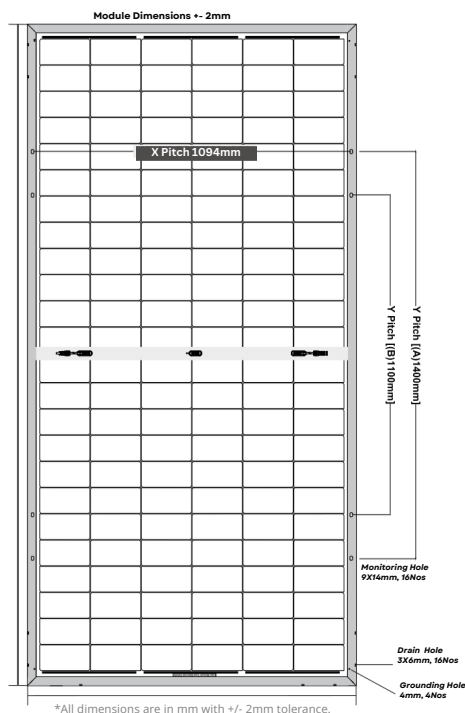
THERMAL DATA

Temp. Coefficient Open-circuit Voltage	-0.28%/°C
Temp. Coefficient Open-circuit Current	0.05%/°C
Temp. Coefficient Rated Power	-0.35%/°C
NOCT (Normal operating cell Temperature)	45 °C ± 2°C

SIDE VIEW



BACK VIEW



MECHANICAL SPECIFICATION

Solar Cell	N-TYPE TOPCON, 16BB, 144 Half-Cut
Encapsulation	Ultra-clear PID Free EVA (Ethylene- vinyl-Acetate)
Backside	UV protected reflective backsheet
frame	Anodized Aluminium Alloy (Silver/Black).
Front glass	3.2mm, High Transmission, Low Iron, ARC Tempered Glass
Dimensions	(L) 2278 mm x (W) 1134mmx(H) 35mm
Weight	27.5 Kg
J-box	Split JB, IP 68 certified, 3 Diodes
Cable	Solar cable 4mm ² , 400mm (1000mm/1200mm on customization request)
Connectors	MC4-compatible connectors
Application Class	Class A
Electrical Safety	Class II

PERMISSIBLE OPERATING CONDITIONS

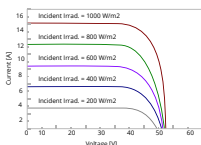
Operating Temperature Range	- 40 °C To 85 °C
Max. system Voltage	1500 V DC
Maximum Snow Load Capacity	5400PA
Maximum Wind load capacity	2400PA
Resistance against hail	Max 24mm with impact Speed of 83km/h
protection Class Against Electrical Shock	II
Maximum Reverse Current	25A

PACKING CONFIGURATION

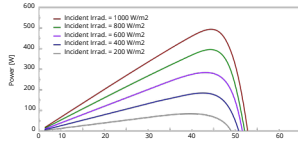
Container Lorry	20"GP	40"HQ
Module Per Pallet	28	32
Pallet Per Container	10	20
Module Per Container	280	640

** Product Specifications are subjected to change without notice
** Warranty clause can be claimed as per Solarious Energy warranty certificate

IV CURVE



PV CURVE



LINEAR PERFORMANCE WARRANTY

