#### **ELITE SERIES** N TOPCON TECHNOLOGY

WSMT-670 to WSMT-700

Framed Glass White Backsheet module





Highest reliability & enhanced crack tolerance MBB module



Sustain Heavy snow & wind loads (5400 Pa & 2400 Pa)



Best in class thermal coefficients



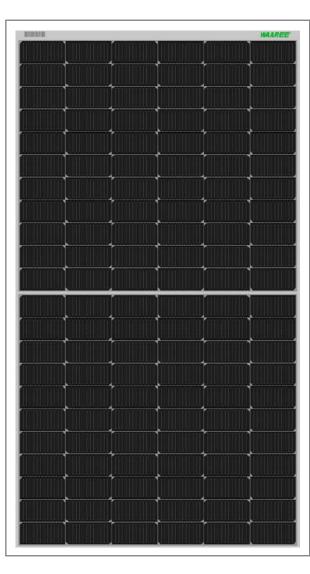
Highest commercial gains, lower LCOE



Better weak light performance



Excellent PID resistance



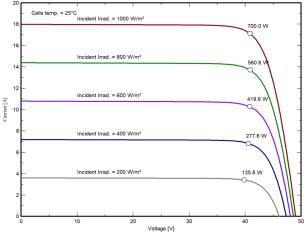






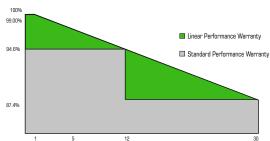
IEC 61215, IEC 61730 UL 61730-1, UL 61730-2

## -V VARIATION WITH IRRADIANCE



# -V VARIATION WITH TEMPERATURE

 $\label{thm:consult} The \ Graphs \ are \ for \ reference \ purpose \ only. \ Please \ consult \ Waaree \ technical \ team \ for \ further \ clarifications.$ 



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#### **ELECTRICAL CHARACTERISTICS**

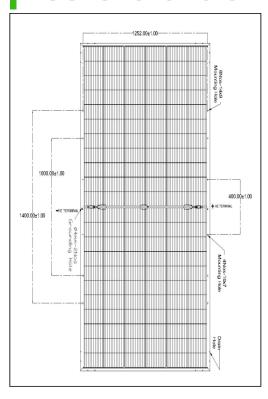
Models	Pmax (W)		Vmp (V)		Imp (A)		Isc (A)		Voc (V)		Madula Eff (0/)
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	Module Eff. (%)
WSMT-670	670	507.9	38.64	36.21	17.34	13.98	18.34	14.78	46.44	44.35	21.44
WSMT-675	675	511.7	38.84	36.39	17.38	14.01	18.38	14.81	46.64	44.54	21.60
WSMT-680	680	515.4	39.04	36.58	17.42	14.04	18.42	14.85	46.84	44.73	21.76
WSMT-685	685	519.2	39.24	36.77	17.46	14.07	18.46	14.88	47.04	44.92	21.92
WSMT-690	690	523.0	39.43	36.95	17.50	14.11	18.50	14.91	47.23	45.10	22.08
WSMT-695	695	526.8	39.63	37.13	17.54	14.14	18.54	14.94	47.43	45.30	22.24
WSMT-700	700	530.6	39.82	37.31	17.58	14.17	18.58	14.98	47.62	45.48	22.40

<sup>\*</sup>Standard Test Conditions (STC) - 1000 W/m2 irradiance, Air Mass 1.5 and 25°C cell temperature. Nominal Operating Cell Temperature (NOCT) - 800 W/m2 irradiance, Air Mass 1.5, Ambient temperature 20°C and Wind speed 1 m/s. Average power reduction of 4.5% at 200 W/m2 as per IEC 60904-1. Measuring Uncertainty ± 3%.

#### THERMAL CHARACTERISTICS

Temperature coefficient of Current (Isc), a (%/°C)	0.046
Temperature coefficient of Voltage (Voc), ß (%/°C)	-0.26
Temperature coefficient of Power (Pm), γ (%/°C)	-0.31
NOCT (°C)	43 ± 2
Operating temperature range (°C)	-40 to 85

#### **DESIGN** SPECIFICATIONS



#### **MECHANICAL CHARACTERISTICS**

Length x Width x Thickness (L x W x T)	2400 mm (L) x 1302 mm (W) x 35 mm (T)
Weight	34.5 kgs
Solar Cells per Module (Units) / Arrangement	132 cells / (11x6    11x6)
Solar Cell Type & Size	TOPCon N-type Mono Bifacial,105x210mm
Front Glass (Material / Thickness)	3.2 mm Low Iron ARC Tempered glass
Encapsulate	PID Free & UV Resistant
Junction Box (Protection degree / Material )	IP68 / Weatherproof PPO
Cable & Connector (Protection degree / Type)	IP68 rated / MC4 compatible
Cable cross - section & Length	4 mm <sup>2</sup> & 500mm
Frame	Anodized Aluminium Alloy

Waaree Energies Ltd. is amongst the top Solar Energy Companies and has the country's largest Solar PV Module manufacturing capacity of 12 GW. In addition, it is committed to provide top notch EPC services, project development, rooftop solutions, solar water pumps and also in an Independent Power Producer. Waaree has its presence in over 350+ locations nationally and 68 countries globally.

12 Years Product Warranty • 30 Years Power Output Warranty

- The electrical data given here is for reference purpose only.
- $\bullet \ \ \text{Please confirm your exact requirements with the sales representative while placing your order.}$
- Refer installation Manual instructions & Waaree warranty statement for terms & conditions.
- Waaree Reserves the right to change the specifications without prior notice.