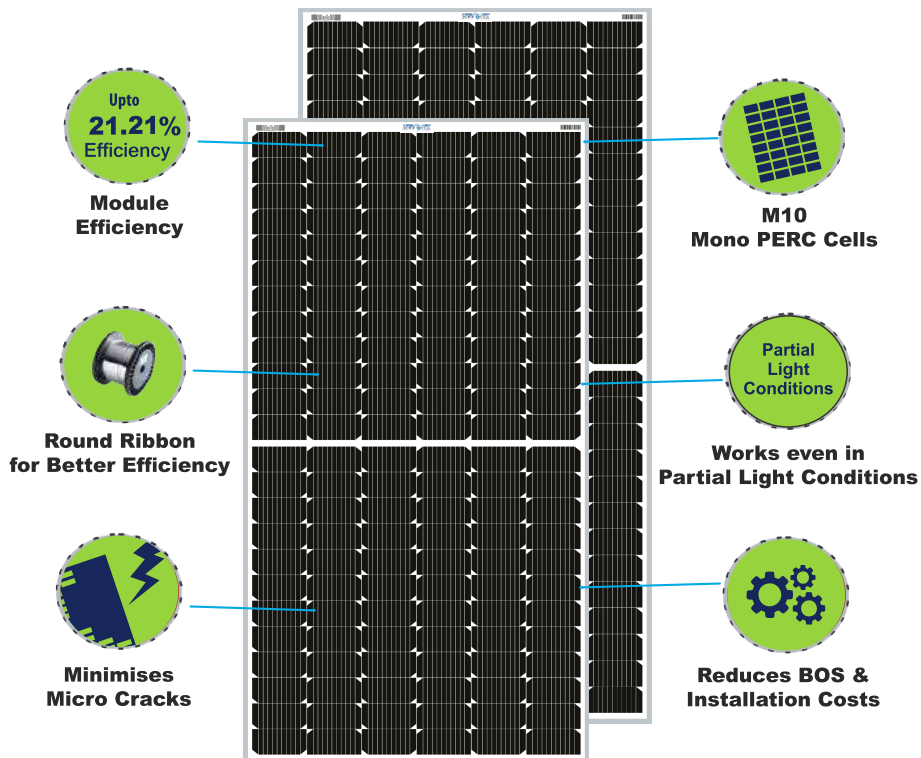


Mono Half Cut Series

SOLAR PANELS

Ideal for Large - Scale Installations



Highly Efficient PV Module

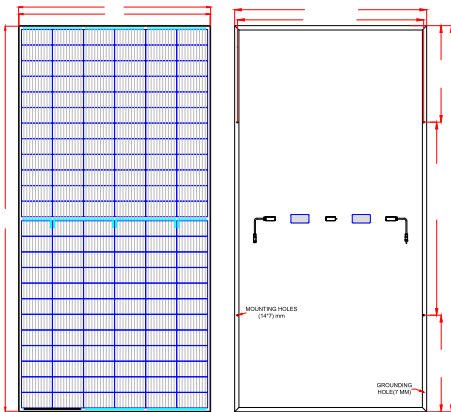
ELECTRICAL DATA (STC)

Model No:	STM525-HM	STM530-HM	STM535-HM	STM540-HM	STM545-HM	STM550-HM	STM580-HM	STM585-HM	STM590-HM	STM595-HM
Peak Power Watts-Pmax	525	530	535	540	545	550	580	585	590	595
power Output Tolerance - PMAX	0 ~ +5	0 ~ +5	0 ~ +5	0 ~ +5	0 ~ +5	0 ~ +5	0 ~ +5	0 ~ +5	0 ~ +5	0 ~ +5
Maximum Power Voltage VMPP (V)	41.35	41.5	41.7	41.8	41.939	42.058	45.06	45.2	45.37	45.51
Short Circuit Current - ISC (A)	13.6	13.65	13.71	13.79	13.86	13.92	13.6	13.65	13.71	13.79
Open Circuit Voltage Voc (V)	48.91	49.05	49.14	49.23	49.34	49.48	53.62	53.82	54.05	54.17
Maximum Power Current IMPP (A)	12.70	12.77	12.83	12.92	13.00	13.08	12.87	12.94	13.00	13.07
Module Efficiency η_m (%)	20.31	20.50	20.70	20.89	21.08	21.28	20.74	20.92	21.10	21.28

MECHANICAL DATA

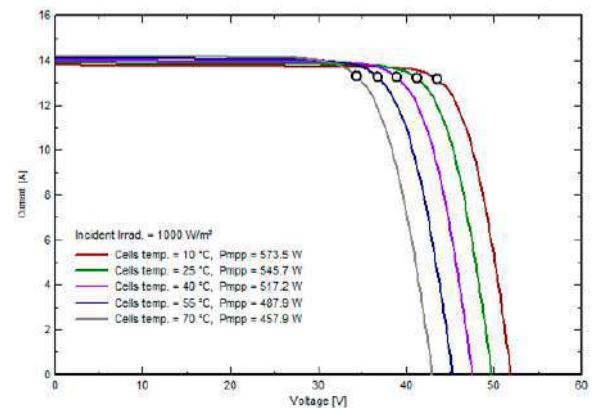
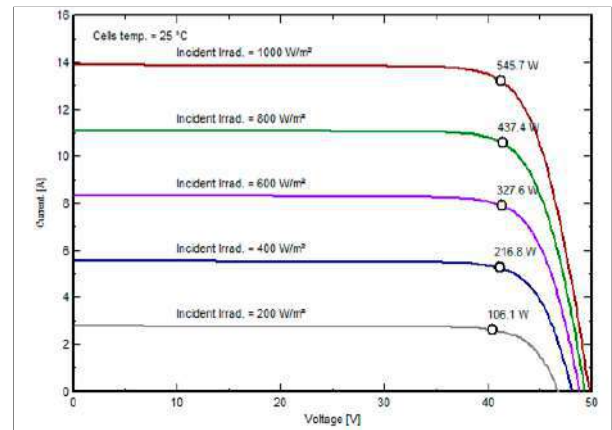
Solar Cells Per Module (Units)	144	156
Monocrystalline Solar Cell Size (inches)	3.5 X 3.2	
Module Size (L x W x T)(inches)	89.7 X 44.6 X 1.3	97 X 44.6 X 1.3
Weight	59.7 lbs	64.1 lbs
J - Box	IP68/ Split junction box with Individual by pass diodes	
Connector	(MC4) Amphenol	
Glass	Low iron High Transmission AR coated tempere	
Backcover	Poly Vinyl Fluoride (Composite film)	
Frame	Silver Anodized Aluminum Frame	

Engineering Drawings



Temperature Coefficients (Tc) permission operating conditions

Tc of Open Circuit Voltage [β]	-0.27%/°C
Tc of Open Circuit Current [α]	0.050%/°C
Tc of Power [γ]	-0.35%/°C
Maximum System Voltage	1500V
NOCT	45°C ± 2°C
Temperature Range	-40°C to + 85°C



*Due to continuous improvement technical specifications & product image can change without prior notice.



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