

WELCOME TO

SOLEX ENERGY LIMITED



**Most Trusted
Solar Brand From India**

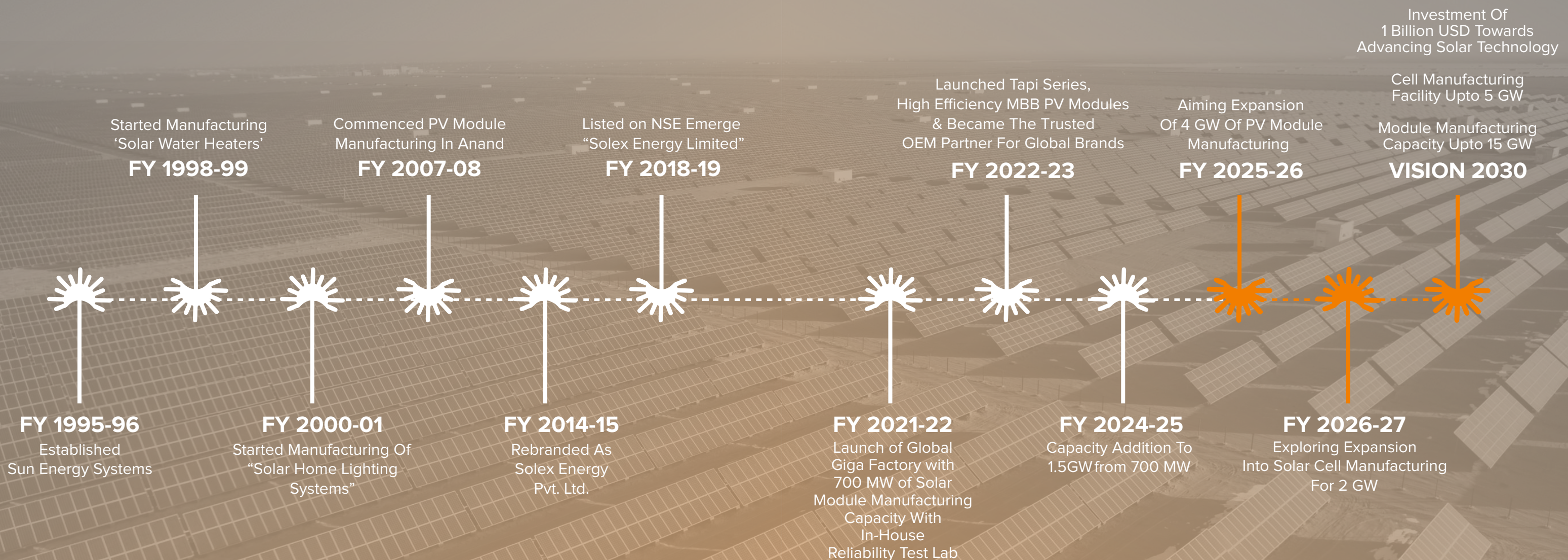


Our Journey Began

A BRIGHT 30 YEARS AGO!

One Of The First PV Module
Manufacturing Companies To Get Listed
On The NSE Emerge Stock Exchange With
STOCK CODE: SOLEX

And Since Then, We've Been Sprinting Forward



EXISTING CAPACITY

1.5 GW

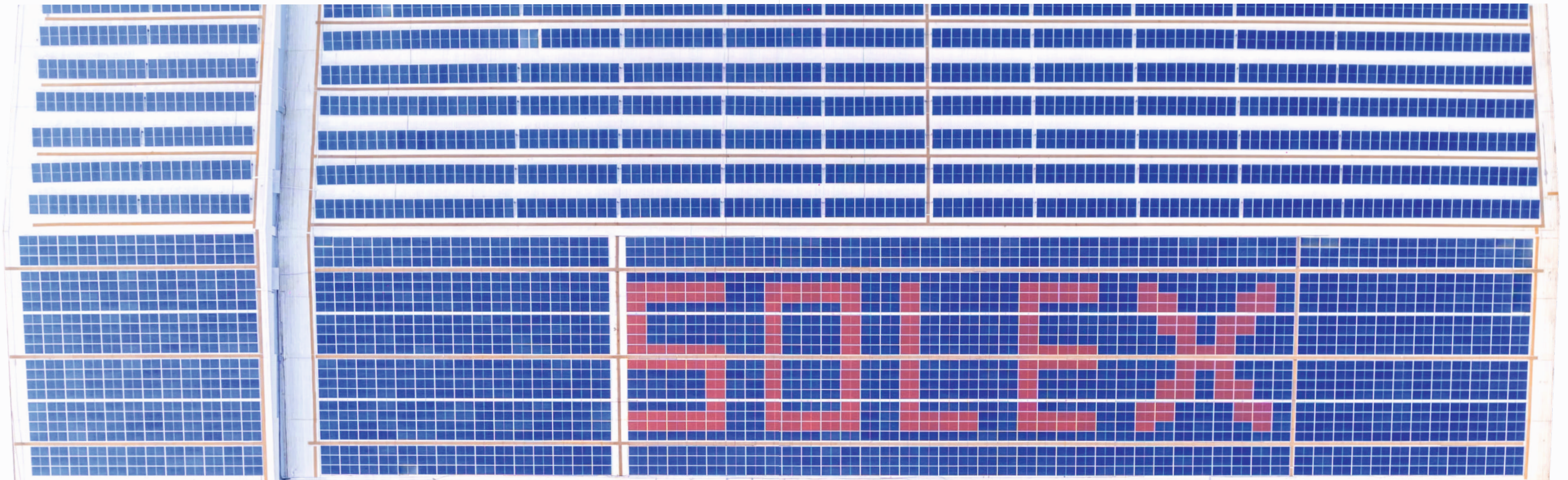
Infrastructure Primed For **4 GW Module Production**
All Consolidated At A Single Location

Our Factory Has Been
Rated **'A'** Grade By
Leading Indian &
International Audit Firms

Mark of Quality

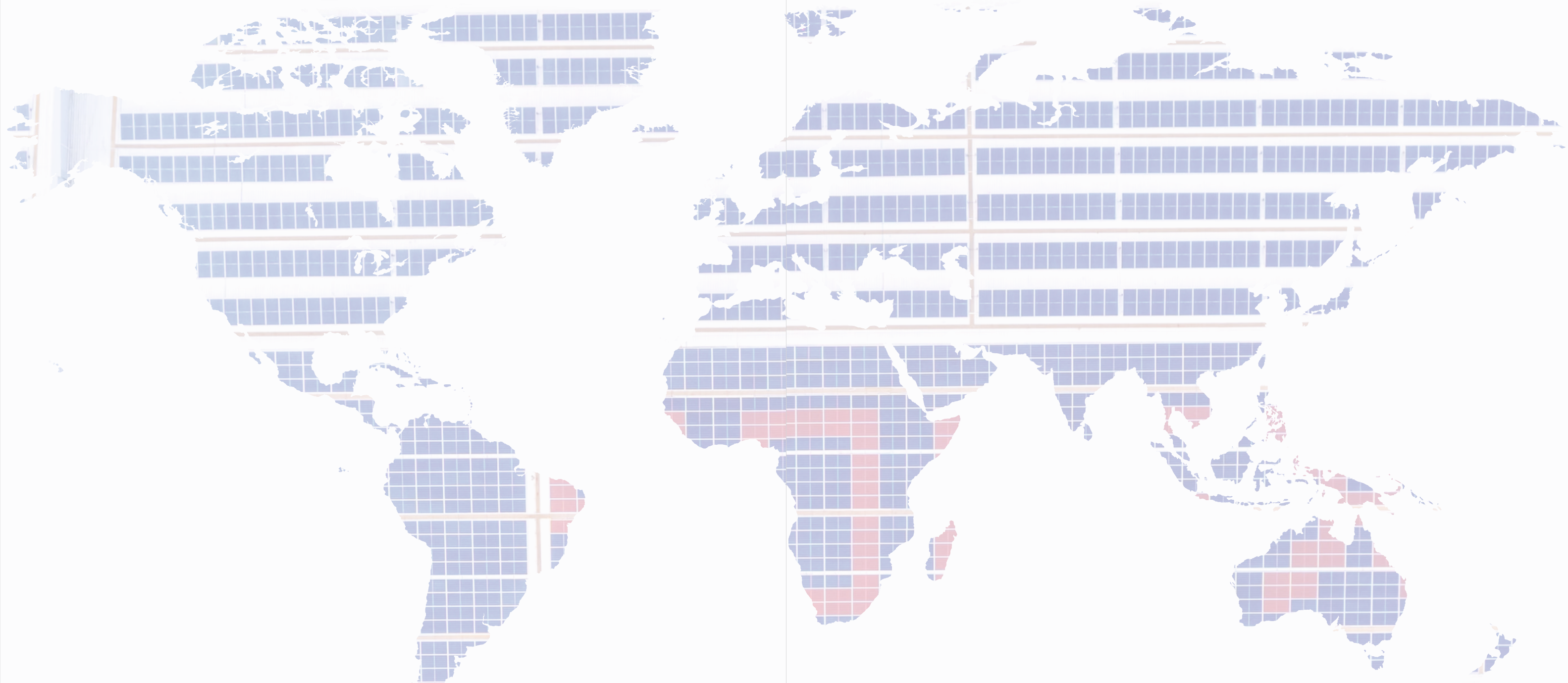


USAID
FROM THE AMERICAN PEOPLE

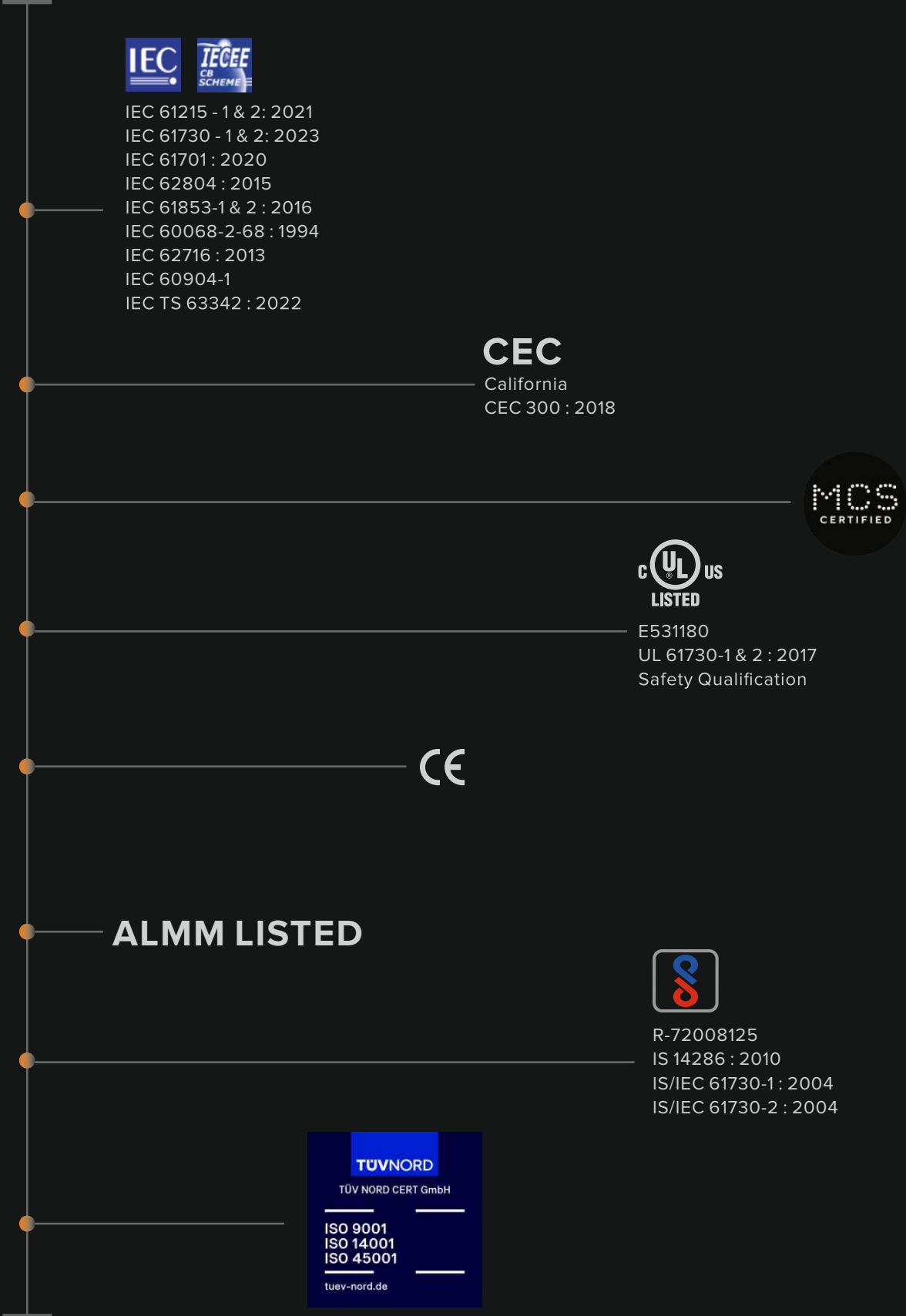


OPERATING IN
20+ STATES
AND SPANNING ACROSS
SEVERAL COUNTRIES

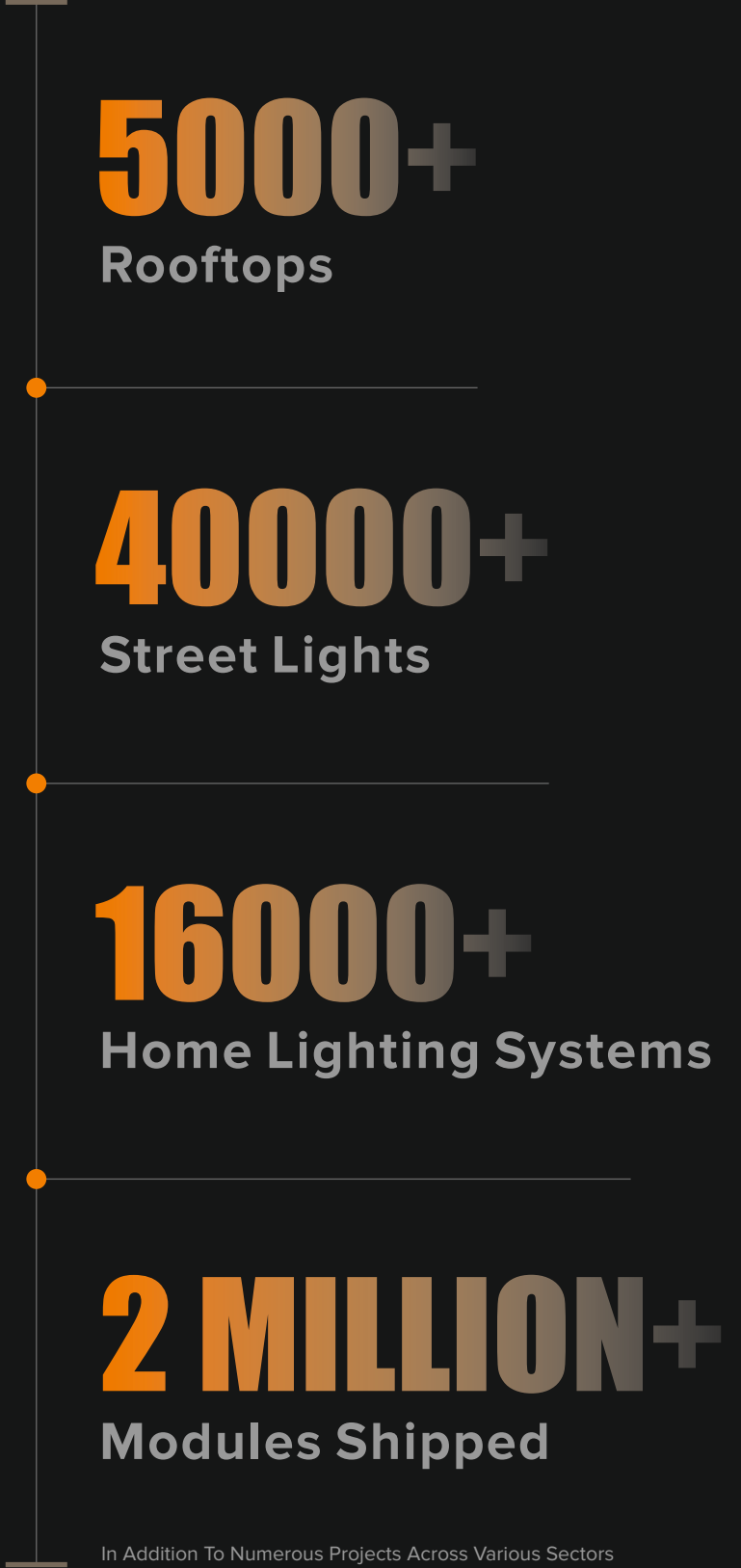
Trusted & Preferred
OEM Partner For The
Global Brands

















At SOLEX,
Quality And Reliability Are Our Pride
CERTIFICATES



Powering Progress :
**Our Impactful
Solar Endeavour**



Key Clients

We Embrace Inclusive Growth

61% of Our Team Comprises
Members From Indigenous Communities,
Reflecting Tribal Areas



Global Giga Factory

Employing Best Of Practices In The Industry

- Lean Manufacturing:**
Emphasizing the elimination of waste and continuous improvement in processes to maximise efficiency
- Six Sigma:**
Utilizing data-driven approaches to minimise defects and process variations, ensuring high product quality and consistency.
- Total Quality Management (TQM)**
Focuses on continuous quality improvement throughout all aspects of production, from design to delivery.
- Advanced Manufacturing Technologies:**
Incorporating cutting-edge technologies such as automation, robotics, MES, and AI (Artificial Intelligence) to enhance productivity, flexibility, and responsiveness.
- Supply Chain Management:**
involves optimizing supply chains to ensure timely delivery of raw materials, efficient production scheduling, and effective inventory management.
- Environmental Sustainability:**
SOLEX Factory running on clean energy minimises environmental impact, reduces waste, and promotes sustainability throughout manufacturing.
- Strategic Partnerships and Collaboration:**
Collaborating with suppliers, customers, and industry partners to drive innovation, share best practices, and create value across the supply chain.
- Regulatory Compliance:**
Ensuring compliance with industry regulations and standards to maintain product quality, safety, and ethical business practices.

Reliability Test Laboratory

An Integral Part Of Our
Global Giga Factory

1

Adheres to the latest IEC 2021 standards, surpassing the industry standards of IEC 2016

2

Continuous testing spans 2,500 to 4,000 hours to ensure durability and reliability UL, TUV, and others

3

Testing adheres to standards on par with renowned laboratories such as UL, TUV, and others

4

Employs MES, AI, and other automation tools to monitor quality checks

5

Implements strict quality control at every stage of manufacturing

6

Incorporates feedback from continuous improvement programs to enhance product quality

7

Adopts sustainable and eco-friendly manufacturing practices

8

Implements real-time data analysis to optimise production processes



Tapi-R
595-625 Watt

India's First Rectangular Cell Module
Powered By N-Type TOPCon Technology

The all-new era of efficiency and performance
will set new standards in the industry

12 12-years product warranty

30 30-years linear performance warranty

Manufactured in an ISO 9001:2015, ISO 14001:2015,
ISO 45001:2018 Certified Facility.
IEC Certificates Certified**
BIS 14286 / IEC 61215-1- 2 : 2021,
IEC 61730-1 & 2 : 2023 / UL 61730-1 & 2 : 2022



R-72008125



Module Efficiency
Upto 23.14%



Cell Efficiency
Upto 25.2%



Weather
Resistant



Lower LCOE
Higher Savings



Ideal For Large-Scale
Projects



Super Performance
& Reliability

** Certification Under Process

Module Image Is For Reference Only, Actual Appearance May Vary.

TECHNICAL DATASHEET

TECHNICAL DATA FOR STGP132R210B16-AAA (595-625)

ELECTRICAL PARAMETER AT STC #1,2

MODULE TYPE	y rating – Pmax (Wp) STGP132R210B16-AAA (595-625)						
Capacit	595	600	605	610	615	620	625
Power Tolerance (Wp)	0-4.99	0-4.99	0-4.99	0-4.99	0-4.99	0-4.99	0-4.99
Open circuit voltage – Voc(V)	47.50	47.70	47.90	48.10	48.30	48.50	48.70
Short circuit current – Isc(A)	15.90	15.95	16.00	16.05	16.10	16.15	16.20
Rated voltage – Vmp(V)	39.29	39.46	39.61	39.78	39.97	40.17	40.37
Rated current – Imp(A)	15.15	15.21	15.28	15.34	15.39	15.44	15.49
#2 Module efficiency (%)	22.03	22.21	22.40	22.58	22.77	22.95	23.14

#1 Irradiance 1000 W/m², spectrum AM 1.5 and Module temperature of 25 °C
#2 Except Pmax, all other parameters have a tolerance of ±3%.

BI-FACIAL OUTPUT – REAR SIDE POWER GAIN***

5% Gain	Maximum Power (Pmax)	625	630	635	641	646	651	656
	Module Efficiency STC(%)	23.13	23.32	23.52	23.71	23.91	24.10	24.29
15% Gain	Maximum Power (Pmax)	684	690	696	702	707	713	719
	Module Efficiency STC(%)	25.33	25.54	25.76	25.97	26.18	26.40	26.61
25% Gain	Maximum Power (Pmax)	744	750	756	763	769	775	781
	Module Efficiency STC(%)	27.53	27.77	28.00	28.23	28.46	28.69	28.92

** Additional Power Gain from rear side is depends on albedo. (Higher albedo, the higher power gain.)

ELECTRICAL PARAMETER AT NOCT#3

Power (W)	452.80	456.70	460.60	464.40	468.20	472.00	475.80
Vmp (V)	37.34	37.50	37.64	37.81	37.99	38.18	38.37
Imp (A)	12.14	12.18	12.24	12.29	12.33	12.37	12.41
Voc (V)	45.14	45.33	45.52	45.71	45.90	46.09	46.28
Isc (A)	12.77	12.81	12.85	12.89	12.93	12.97	13.01

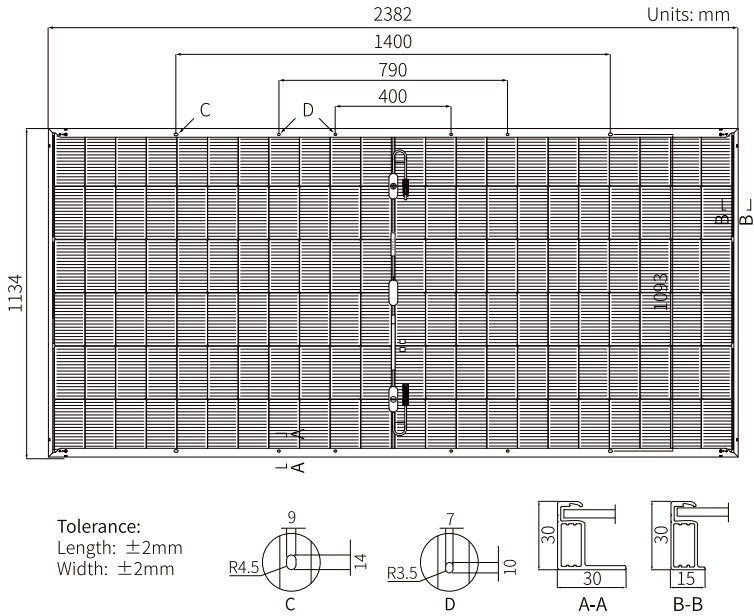
#3 NOCT irradiance 800 W/m2 , ambient temperature 20°C, wind speed 1 m/sec

PRODUCT WARRANTY

Product warranty**	12 years
Performance guarantee**	30 years Linear power warranty with degradation of 1% in 1st year and 0.40% thereafter till 30 years.

**applicable only when module installation done as per Solex's installation manual

DRAWING (MEASUREMENTS ARE IN MM)



MECHANICAL SPECIFICATION

SPECIFICATION	DETAILS
Solar cells	N type Mono Crystalline silicon, TOPCON
No. of cells	132 Half cut (11x6 11x6)
Dimensions	(L) 2382 mm x (W) 1134 mm x (H) 30mm
Backside	2.0mm, Heat strengthened patterned Glass
Front glass	2.0mm, High Transmission, ARC Tempered Glass
Frame	Silver Anodized Aluminium Alloy
Weight	34.0 kg
J-box	IP 68 certified, 3 diodes junction box
Cable	Solar cable 400 mm length or customized length , 4 mm²
Connectors	Compatible with MC4 connectors
Application Class	Class A
Electrical Safety	Class II
Fire Safety	Class C (Type I)
Surface load	(Snow load 5400 Pa, wind load 2400 Pa).

TEMPERATURE COEFFICIENT (TC)

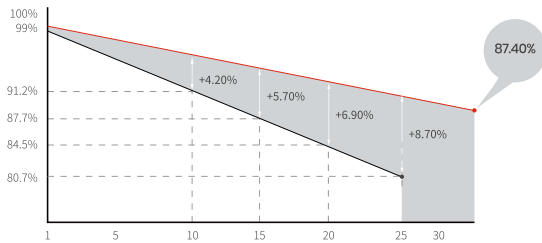
Temperature Coefficient (Voc)**	-0.24 %/°C
Temperature Coefficient (Isc)**	-0.04 %/°C
Temperature Coefficient (Pmax)**	-0.280 %/°C

PERMISSIBLE OPERATING CONDITIONS

Temperature range	-40°C to + 85°C
Maximum system voltage	1500 VDC
NOCT	45± 2°C
Hail resistance	Maximum diameter of 25 mm with velocity 23 m/s
Maximum series fuse rating	30A
Bifaciality Factor	80 ±5 %

PERFORMANCE DEGRADATION CHART

ADDITIONAL VALUE



- For unpacking, handling & installation instructions refer to Solex Energy's Manual guidelines available on the company website.
- Before placing an order confirm your requirements with our sales representative.
- The technical details, drawings and IV Curve here are for reference purposes only.
- Due to constant product modifications, Solex Energy Limited reserves the right to amend the above specifications without prior notice.
- Dispose-off the product as E-Waste after the end of its working life.

PACKING CONFIGURATION

Container	40'HQ
Modules per Pallet	36
Pallets per Container	20
Modules per Container	720

Tapi[®] Trans Dual Series

570-595 Watt

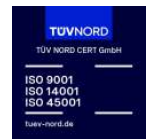
N-Type Dual Glass Modules

The all-new era of efficiency and performance will set new standards in the industry

12 12-years product warranty

30 30-years linear performance warranty

Product & System Certifications



Quality & Reliability
IP68 Rated Junction Box for Long-Term Weather Endurance. Made with high-grade raw material to achieve Quality, Durability, Efficiency, and through output.

** Certification Under Process

Module Image Is For Reference Only, Actual Appearance May Vary.



Module Efficiency
Upto 23.03%



144
Half Cell



Weather
Resistant



Ideal For
Urban Environment

TAPI TRANS DUAL SERIES – TECHNICAL DATA

TECHNICAL DATA FOR STGP144M10B16-AAA (570-595) N-TYPE TOP CON BI-FACIAL MODULE

ELECTRICAL PARAMETER AT STC ^{#1,2}

MODULE TYPE	y rating – Pmax (W) STGP144M10B16-AAA (570-595)					
Capacit	570	575	580	585	590	595
Power Tolerance (Wp)	0-4.99	0-4.99	0-4.99	0-4.99	0-4.99	0-4.99
Open circuit voltage – Voc(V)	51.08	51.28	51.48	51.68	51.40	51.50
Short circuit current – Isc(A)	14.24	14.30	14.36	14.42	13.80	13.87
Rated voltage – Vmp(V)	42.80	43.00	43.20	43.40	45.07	45.15
Rated current – Imp(A)	13.32	13.38	13.43	13.48	13.10	13.18
Module efficiency (%)	22.07	22.26	22.45	22.65	22.84	23.03

#1 Irradiance 1000 W/m², spectrum AM1.5 and Module temperature of 25°C.
#2 Except Pmax other parameters have a tolerance of ± 3%

BI-FACIAL OUTPUT – REAR SIDE POWER GAIN***

5% Gain	Maximum Power (Pmax)	599	604	609	614	619.50	624.75
	Module Efficiency STC(%)	23.17	23.37	23.57	23.78	23.98	24.18
15% Gain	Maximum Power (Pmax)	656	661	667	673	649.00	654.50
	Module Efficiency STC(%)	25.37	25.60	25.82	26.04	25.12	25.34
25% Gain	Maximum Power (Pmax)	713	719	725	731	737.50	743.75
	Module Efficiency STC(%)	27.58	27.82	28.07	28.31	28.55	28.79

** Additional Power Gain from rear side is depends on albedo. (Higher albedo, the higher power gain.)

ELECTRICAL PARAMETER AT NOCT^{#3}

Power (W)	429.55	433.32	437.09	440.86	460.06	456.29
Vmp (V)	40.31	40.48	40.68	40.88	42.51	42.44
Imp (A)	10.66	10.70	10.74	10.78	10.83	10.76
Voc (V)	48.53	48.72	48.91	49.10	48.97	48.88
Isc (A)	11.49	11.54	11.59	11.64	11.35	11.29

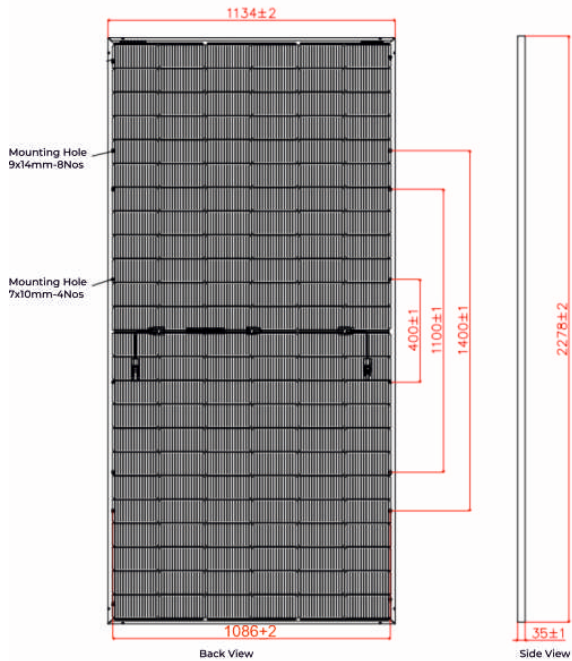
#3 NOCT irradiance 800 W/m2, ambient temperature 20°C, wind speed 1 m/sec

PRODUCT WARRANTY AND CERTIFICATIONS

Product warranty**	12 years
Performance guarantee**	30 years Linear power warranty with degradation of 1% in 1st year and 0.40% thereafter till 30 years.

**applicable only when module installation done as per Solex's installation manual

DRAWING (MEASUREMENTS ARE IN MM)



MECHANICAL SPECIFICATION

SPECIFICATION	DETAILS
Solar cells	N type Mono-crystalline Silicon, TOPCon
No. of cells	144 Half Cut (12x6 12x6)
Dimensions	(L) 2278 mm x (W) 1134 mm x (H) 35 mm
Backside	2.0mm, Heat Strengthened Patterned Glass
Front glass	2.0 mm, High Transmission, ARC Tempered Glass
Frame	Silver Anodized Aluminium Alloy
Weight	~32 kg
J-box	IP 68 certified, 3 diodes junction box
Cable	Solar cable 400mm length or Customized Length, 4 mm²
Connectors	Compatible with MC4 connectors
Application Class	Class A
Electrical Safety	Class II
Fire Safety	Class C (Type I)
Surface load	Snow load 5400 Pa, wind load 2400 Pa

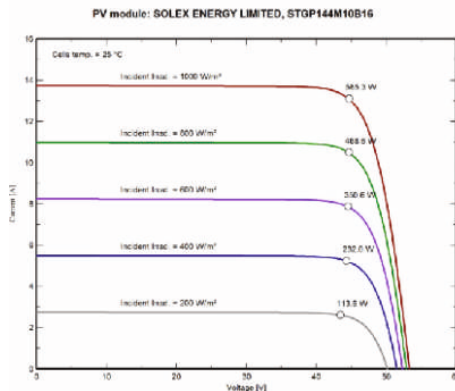
TEMPERATURE COEFFICIENT (TC)

Temperature Coefficient (Voc)**	-0.23%/°C
Temperature Coefficient (Isc)**	0.03%/°C
Temperature Coefficient (Pmax)**	-0.30%/°C

PERMISSIBLE OPERATING CONDITIONS

Temperature range	-40°C to +85°C
Maximum system voltage	1500 VDC
NOCT	45± 2°C
Hail resistance	Max. diameter of 25 mm with velocity 23 m/s
Maximum series fuse rating	30A
Bifaciality Factor	80±10%

IV CURVE



- For unpacking, handling & installation instructions refer to Solex Energy's Manual guidelines available on the company website.
- Before placing an order confirm your requirements with our sales representative.
- The technical details, drawings and IV Curve here are for reference purposes only.
- Due to constant product modifications, Solex Energy Limited reserves the right to amend the above specifications without prior notice.
- Dispose-off the product as E-Waste after the end of its working life.

PACKING CONFIGURATION

Container	40'HQ
Modules per Pallet	31
Pallets per Container	20
Modules per Container	620

Tapi[®] Series
530-560 Watt

The all-new era of efficiency and performance
will set new standards in the industry

12 12-years product warranty

30 30-years linear performance warranty

Manufactured in an ISO 9001:2015,
ISO 14001:2015, ISO 45001:2018
Certified Facility.

IP68 Rated Junction Box for
Long-Term Weather Endurance.



BIS 14286
IEC Certificates
IEC 61215-1 & 2 : 2016, IEC 61730-1 & 2 : 2016
IEC 61701 : 2020, IEC 62804 : 2015
IEC 61853-1 & 2 : 2016,
IEC 60068-2-68 : 1994
IEC 62716 : 2013, IEC 60904-1
IEC TS 63342 : 2022
IEC 61215-2 (MQT 08, 19.1)

Made with high-grade raw material
to achieve Quality, Durability,
Efficiency, and through output.



Module Efficiency
Upto 21.68%



144
Half Cut Cell



Weather
Resistant



Ideal For Commercial
& Industrial Rooftop

Module Image Is For Reference Only, Actual Appearance May Vary.

TECHNICAL DATASHEET

TECHNICAL DATA FOR SMF72HM10-AAA (530-560) MONOCRYSTALLINE MODULE AND
SMB72HM10-AAA (530-560) BI-FACIAL MONOCRYSTALLINE MODULE

ELECTRICAL PARAMETER AT STC ^{#1,2}

MODULE TYPE	SMFB/SMBB54HM10~-AAA (530 - 560)						
Capacity rating – Pmax (Wp)	530	535	540	545	550	555	560
Power Tolerance (Wp)	0-4.99	0-4.99	0-4.99	0-4.99	0-4.99	0-4.99	0-4.99
Open circuit voltage – Voc(V)	49.45	49.58	49.71	49.84	49.97	50.10	50.23
Short circuit current – Isc(A)	13.43	13.51	13.59	13.67	13.75	13.83	13.91
Rated voltage – Vmp(V)	41.54	41.67	41.80	41.93	42.06	42.19	42.33
#1 Rated current – Imp(A)	12.76	12.84	12.92	13.00	13.08	13.16	13.23
#2 Module efficiency (%)	20.52	20.71	20.91	21.10	21.30	21.49	21.68

#1 Under Standard Test Conditions (STC) of irradiance 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.
#2 Except Pmax other parameters have a tolerance of ± 3%.

BI-FACIAL OUTPUT - REAR SIDE POWER GAIN***

5% Gain	557	562	567	572	578	583	588
10% Gain	583	589	594	600	605	611	616
15% Gain	610	615	621	627	633	639	644
25% Gain	636	642	648	654	660	666	672

*** Additional Power Gain from rear side depends on albedo. (Higher albedo, the higher power gain.)

ELECTRICAL PARAMETER AT NOCT^{#3}

Power (W)	391.88	395.57	399.28	403.00	406.73	410.49	414.04
Vmp (V)	38.35	38.47	38.59	38.71	38.83	38.95	39.08
Imp (A)	10.22	10.28	10.35	10.41	10.47	10.54	10.59
Voc (V)	46.05	46.17	46.30	46.42	46.54	46.66	46.78
Isc (A)	10.86	10.92	10.99	11.05	11.12	11.18	11.25

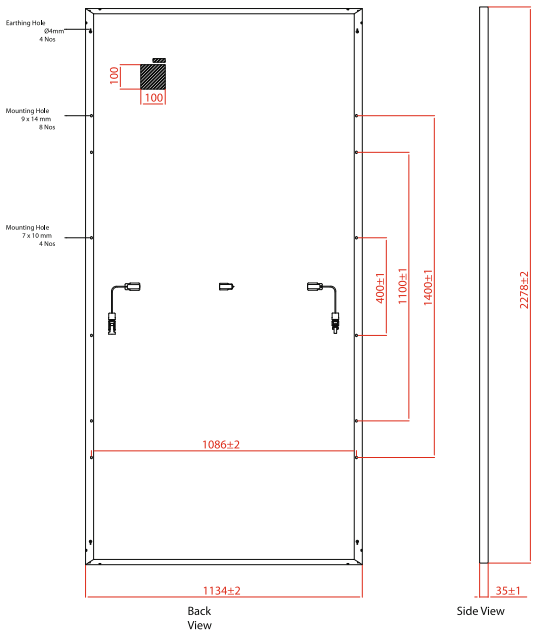
#3 NOCT irradiance 800 W/m2, ambient temperature 20°C, wind speed 1 m/sec

WARRANTY

Product warranty**	12 years
Performance warranty**	30 years Linear Power Warranty for with 2% for 1st Year degradation and 0.55% from year 2 to year 30

**applicable only when module installation done as per Solex's installation manual

DRAWING (MEASUREMENTS ARE IN MM)



MECHANICAL SPECIFICATION

SPECIFICATION	DETAILS
Solar cells	Monocrystalline Silicon (PERC), Bi facial MBB
Encapsulation	Ultra - clear PID free EVA (Ethylene-Vinyl-Acetate)
Backside	UV protected White/Transparent backsheet
Front glass	3.2 mm, High Transmission, ARC Tempered Glass
Frame	Silver Anodized Aluminium Alloy
Dimensions	(L) 2278 mm x (W) 1134 mm x (H) 35mm
Weight	~28.0 kg
J-box	IP 68 certified, 3 diodes junction box
Cable	Solar cable 400 mm length, 4 mm²
Connectors	Compatible with MC4 connectors
Application Class	Class A
Electrical Safety	Class II
Fire Safety	Class C (Type I)
Surface load	Snow load 5400 Pa, wind load 2400 Pa

TEMPERATURE COEFFICIENT (TC)

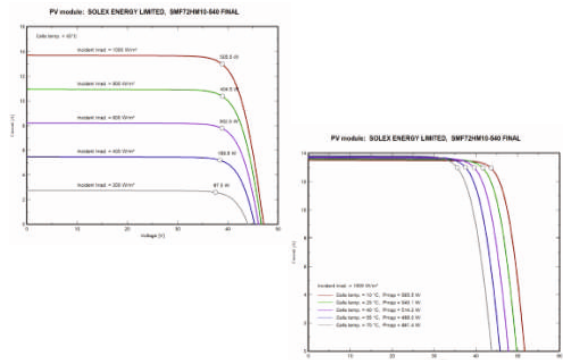
Temperature Coefficient (Voc)**	-0.24%/°C	&	-0.27%/°C (BF)
Temperature Coefficient (Isc)**	0.04%/°C	&	0.05%/°C (BF)
Temperature Coefficient (Pmax)**	-0.32%/°C	&	-0.33%/°C (BF)

PERMISSIBLE OPERATING CONDITIONS

Temperature range	-40°C to +85°C
Maximum system voltage	1500/1000 VDC
NOCT	45± 2°C
Hail resistance	Max. diameter of 25 mm with velocity 23 m/s

**applicable only when module installation done as per Solex's installation manual.

IV CURVE



- For unpacking, handling & installation instructions refer to Solex Energy's Manual guidelines available on the company website.
- Before placing an order confirm your requirements with our sales representative.
- The technical details, drawings and IV Curve here are for reference purposes only.
- Due to constant product modifications, Solex Energy Limited reserves the right to amend the above specifications without prior notice.
- Dispose-off the product as E-Waste after the end of its working life.

PACKING CONFIGURATION

Container	40'HQ
Modules per Pallet	31
Pallets per Container	20
Modules per Container	620

Tapi[®] Black
400-420 Watt

The all-new era of efficiency and performance
will set new standards in the industry

12 12-years product warranty

30 30-years linear performance warranty

Manufactured in an ISO 9001:2015,
ISO 14001:2015, ISO 45001:2018
Certified Facility.

IP68 Rated Junction Box for
Long-Term Weather Endurance.



IEC Certificates
IEC 61215-1 & 2 : 2016, IEC 61730-1 & 2 : 2016
IEC 61701 : 2020, IEC 62804 : 2015
IEC 61853-1 & 2 : 2016, IEC 60068-2-68 : 1994
IEC 62716 : 2013, IEC 60904-1
IEC TS 63342 : 2022
IEC 61215-2 (MQT 08, 19.1)
UL 61730-1 & 2 : 2017
CEC 300 : 2018

Made with high-grade raw material
to achieve Quality, Durability,
Efficiency, and through output.

Module Efficiency
Upto 21.50%

108
Half Cell

Weather
Resistant

Excellent Outdoor
Power Genration

Module Image Is For Reference Only, Actual Appearance May Vary.

TECHNICAL DATASHEET

TECHNICAL DATA FOR SMFB54HM10-AAA (400- 420) - ALL BLACK MONOCRYSTALLINE MODULE
AND SMBB54HM10-AAA (400-420) - ALL BLACK BI-FACIAL MONOCRYSTALLINE MODULE

ELECTRICAL PARAMETER AT STC ^{#1,2}

MODULE TYPE	SMFB/SMBB54HM10*-AAA (400- 420)				
Capacity rating – Pmax (Wp)	400	405	410	415	420
Power Tolerance (Wp)	0-4.99	0-4.99	0-4.99	0-4.99	0-4.99
Open circuit voltage – Voc(V)	38.57	38.74	38.95	39.12	39.31
Short circuit current – Isc(A)	13.33	13.42	13.50	13.58	13.66
Rated voltage – Vmp(V)	31.47	31.64	31.85	32.02	32.21
Rated current – Imp(A)	12.72	12.80	12.88	12.96	13.04
Module efficiency (%)	20.49	20.73	21.00	21.24	21.50

#1 Under Standard Test Conditions (STC) of irradiance 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.
#2 Except Pmax other parameters have a tolerance of ± 3%

BI-FACIAL OUTPUT – REAR SIDE POWER GAIN***

5% Gain	420	425	431	436	441
10% Gain	440	445	451	456	462
15% Gain	460	466	472	477	483
20% Gain	480	486	492	498	504

*** Additional Power Gain from rear side depends on albedo. (Higher albedo, the higher power gain.)

ELECTRICAL PARAMETER AT NOCT^{#3}

Power (W)	295.95	295.42	303.29	306.80	310.53
Vmp (V)	29.06	29.21	29.41	29.56	29.74
Imp (A)	10.19	10.25	10.31	10.38	10.44
Voc (V)	35.92	36.08	36.27	36.43	36.61
Isc (A)	10.78	10.85	10.92	10.98	11.05

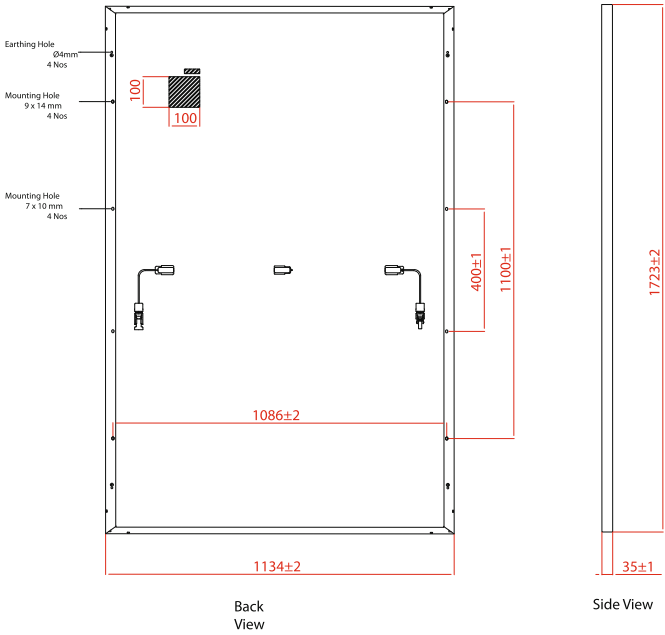
#3 NOCT irradiance 800 W/m2, ambient temperature 20°C, wind speed 1 m/sec

WARRANTY

Product warranty**	12 years
Performance warranty**	30 years Linear Power Warranty for with 2% for 1st Year degradation and 0.55% from year 2 to year 30

**applicable only when module installation done as per Solex's installation manual

DRAWING (MEASUREMENTS ARE IN MM)



MECHANICAL SPECIFICATION

SPECIFICATION	DETAILS
Solar cells	Monocrystalline Silicon (PERC), Bi facial MBB
Encapsulation	Ultra - clear PID free EVA (Ethylene-Vinyl-Acetate)
Backside	UV protected Black/Transparent backsheet
Front glass	3.2 mm, High Transmission, ARC Tempered Glass
Frame	Black Anodized Aluminium Alloy
Dimensions	(L) 1723 mm x (W) 1134 mm x (H) 35mm
Weight	~21.3 kg
J-box	IP 68 certified, 3 diodes junction box
Cable	Solar cable 400 mm length, 4 mm²
Connectors	Compatible with MC4 connectors
Application Class	Class A
Electrical Safety	Class II
Fire Safety	Class C (Type I)
Snow load	Snow load 5400 Pa, wind load 2400 Pa

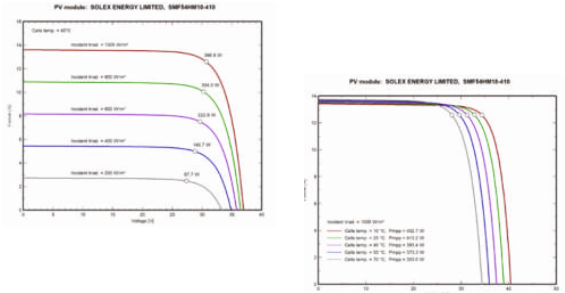
TEMPERATURE COEFFICIENT (TC)

Temperature Coefficient (Voc)	-0.24%/°C & -0.27%/°C (BF)
Temperature Coefficient (Isc)	0.04%/°C & 0.05%/°C (BF)
Temperature Coefficient (Pmax)	-0.32%/°C & -0.33%/°C (BF)

PERMISSIBLE OPERATING CONDITIONS

Temperature range	-40°C to + 85°C
Maximum system voltage	1500/1000 VDC
NOCT	45± 2°C
Hail resistance	Max. diameter of 25 mm with velocity 23 m/s

IV CURVE



- For unpacking, handling & installation instructions refer to Solex Energy's Manual guidelines available on the company website.
- Before placing an order confirm your requirements with our sales representative.
- The technical details, drawings and IV Curve here are for reference purposes only.
- Due to constant product modifications, Solex Energy Limited reserves the right to amend the above specifications without prior notice.
- Dispose-off the product as E-Waste after the end of its working life.


PACKING CONFIGURATION

Container	40'HQ
Modules per Pallet	31
Pallets per Container	26
Modules per Container	806


ganga

120 Watt
Monocrystalline Silicon







10-years product warranty



BIS 14286 Certified



Module Efficiency
Upto 19.12%



33
Half Cell



Weather
Resistant



Excellent Outdoor
Power Generation

Module Image Is For Reference Only, Actual Appearance May Vary.

TECHNICAL DATASHEET

TECHNICAL DATA FOR SMF33HM10-120WP MODULE

ELECTRICAL CHARACTERISITICS AT STC

MODULE TYPE	SMF33HM10-120
Maximum Power at STC – (Pmax)(Wp)	120
Voltage at Pmax (Vmp)(V)	19.45
Current at Pmax (Imp)(A)	6.17
Open Circuit Voltage (Voc)	22.21
Short Circuit Current (Isc)(A)	6.51
Module Efficiency (%)	19.12
Maximum System Voltage (V)	1000

Standard Test Conditions (STC): Irradiance: 1000 W/m², AM 1.5 and cell temperature of 25°C

GUARANTEES AND CERTIFICATIONS

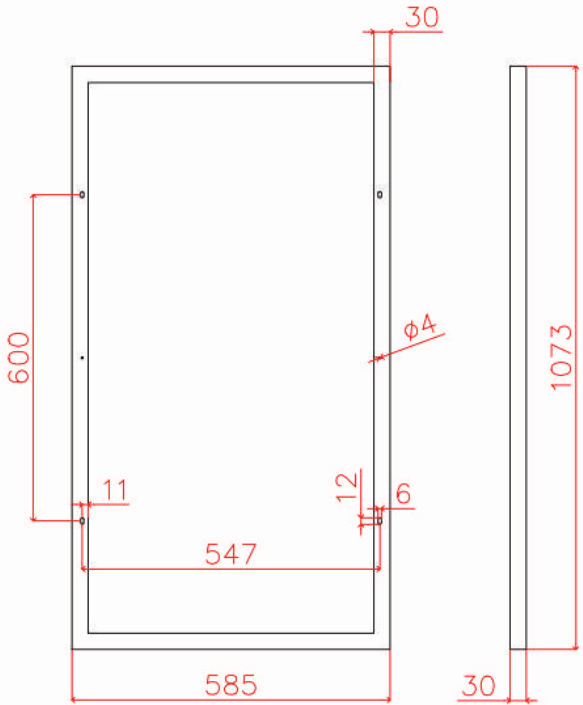
Product warranty**	10 years
Performance guarantee**	Limited warranty for power output ~ 90% for 10 years,and 80% for 25 years
Product Certified	IS-14286, IS-61730:1, IS - 61730:2

**applicable only when module installation done as per Solex's installation manual

MECHANICAL CHARACTERISITICS

Module Size (L x W x H) (mm)	1073 x 585 x 30
Mounting Hole (Y-axis) (mm)	600
Mounting Hole (X-axis) (mm)	547
Solar Cell Matrix	11 x 3

SPECIFICATION	DETAILS
Solar Cell Type	Monocrystalline Silicon (PERC) – 10 BB
Solar Cell Size	91 x 182 mm
Front Cover	3.2 mm, High Transmission, Tempered Glass
Encapsulate	Ethylene Vinyl Acetate
Frame Material	Silver Anodized Aluminium Alloy
Connector	As per Customer Requirement (Optional)
Cable	As per Customer Requirement (Optional)
Standard Packing (Modules per Box)	5 in 1 Box (Corrugated Box)



Quality Assurance

1

Ensures maximum yield and demonstrates exceptional stability, verified through rigorous testing for wind and snow loads.

2

Facilitates independent operation of the upper and lower halves of the modules.

3

Utilizes non-destructive cell-cutting technology for enhanced efficiency and longevity.

4

Achieves precision manufacturing without human intervention.

5

Implements touchless stringing, bussing, and junction box soldering for a seamless production process.

6

Supported by a 12-year product warranty and a 30-year performance warranty.

7

Employs high-quality, certified raw materials for superior longevity and performance.

8

Conduct extensive thermal cycling and humidity freeze tests.

9

Utilizes PID resistance and anti-LID (Light Induced Degradation) technology.

10

Ensures rigorous final inspections and testing of every finished product.

Offering Installation & Solutions



Visionary Projects Building A New India



Radhadarshan Petropack LLP
Ankleshwer,
Gujarat **2.5 MW**



Kiran Spinning Mill
Silvassa,
Dadra & Nagar Haveli **2 MW**



Sankalp In
Patan,
Gujarat **1 MW**



Shavyaa Geotex
Surat,
Gujarat **943 KW**



Eminent Paper Industries LLP
Surat,
Gujarat **843 KW**



Kothari Rayon
Surat,
Gujarat **600 KW**



Govardhan Polyplast
Surat,
Gujarat **540 KW**



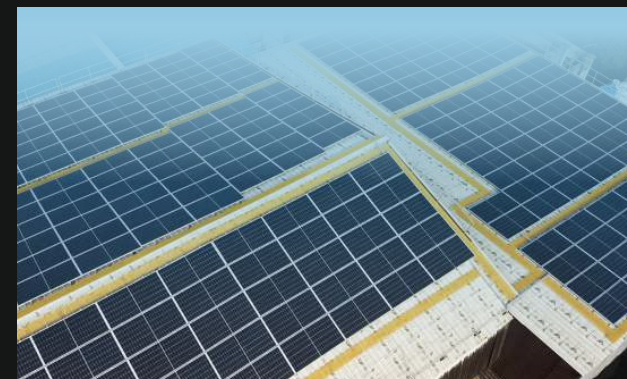
Inorbit Mall
Vadodara,
Gujarat **485 KW**



Naveent Education Limited
Thane,
Maharashtra **350 KW**



Torrent Power
Surat,
Gujarat **275 KW**



Agrawal Textile Mill
Surat,
Gujarat **260 KW**



GoodLuck Textile Market Carport
Surat,
Gujarat **50 KW**

Catering Across Industries



Government



Real Estate



Agriculture



Banking Institutions



Residential Societies



Hospitality



Educational Institutes



Transport & logistics



Media & Entertainment



Manufacturing



Healthcare



Telecom & Communication

Notes



Reach Us :



☎ 1800-572-8787

☎ +91-261-3559999

✉ info@solex.in

🏢 Registered & Corporate Office

Solex Energy Limited, 8th Floor, 801-812,
Rio Empire, Opp. R.T.O, Pal, Surat, Gujarat, India, 395009

🏭 Factory

Block #938, Vill: Tadkeshwar, Tal: Mandvi, Near General Polytex,
Kim-Mandvi Road, Dist: Surat, Gujarat, India, 394170