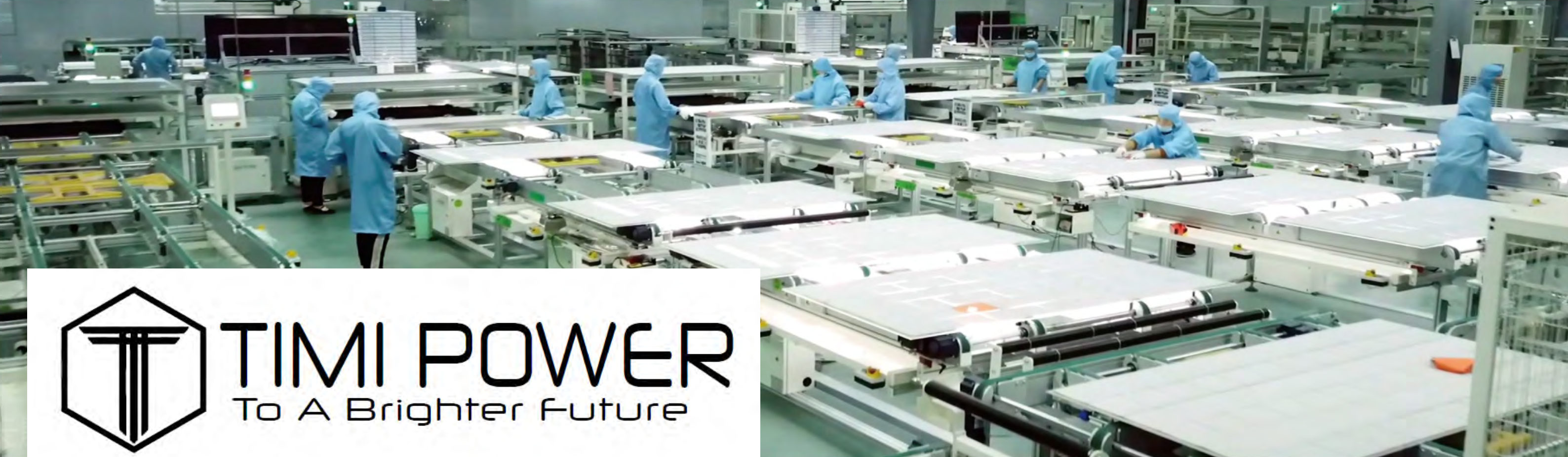




With innovative technical R&D team and professional automatic production line, we work hard to improve technology in order to ensure high quality products. Our products have passed the certificate of CE, TUV, RoHS, SGS standard and quality standard system ISO9001. Our service includes project consultation, product design and technical support.



MONO/POLY SOLAR MODULE

40&30&20&10W



PRODUCT FEATURE

- Bypass diode minimizes the power drop by shade.
- White tempered glass ,EVA resin,weather proof film and anodized aluminum frame to provide efficient protection from the severest environmental conditions.
- Waterproof.Perfect for grid applications.
- Product guarantee 10 years.

Quality Assurance

- Electrical Insulation test
- Outdoor exposure test
- Hot-spot endurance test
- UV-exposure
- Thermal cycling test
- Humidity freeze test
- Damp heat Test
- Robustness of terminations test
- Wet leakage current test
- Mechanical load test
- Hail impact test
- Bypass diode thermal test

Electric Performance Typical Performance Characteristics

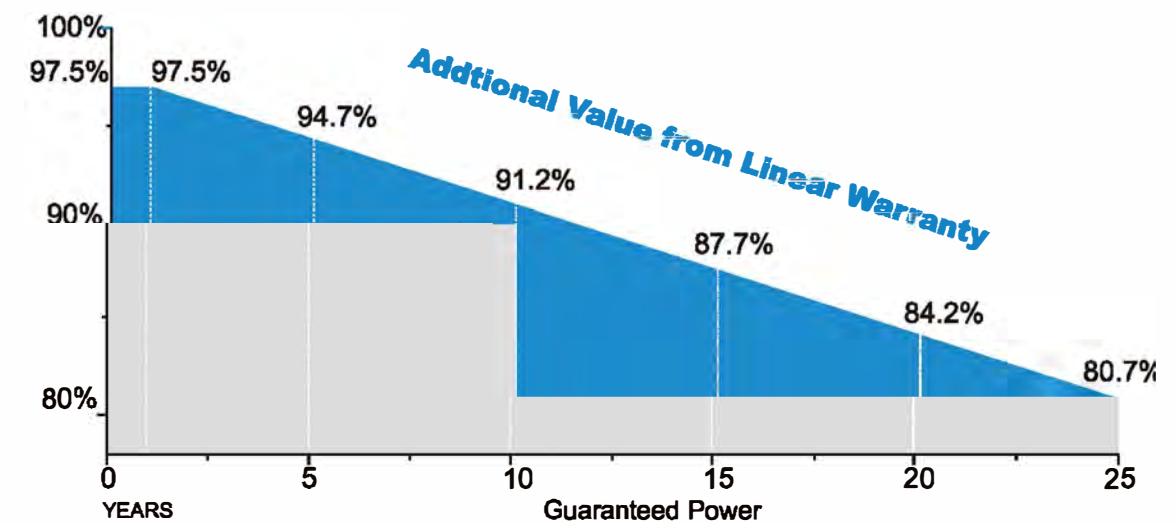
Short Circuit Current Temperature Coefficient	%/°C	0.06
Open Circuit Voltage Temperature Coefficient	%/°C	-0.34
Maximum Power Temperature Coefficient	%/°C	-0.47
Performance Warranty : 90%output , 12 years		
80%output, 25 years		

PRODUCT SPECIFICATION

Type Of Module	NB-10W	NB-20W	NB-30W	NB-40W
Maximum Power (W)	10	20	30	40
Tolerance (%)	± 3%	± 3%	± 3%	± 3%
Open Circuit Voltage (V)	21.78	21.78	21.78	21.78
Short Circuit Current (A)	0.58	1.17	1.75	2.33
Maximum Power Voltage (V)	18.00	18.00	18.00	18.00
Maximum Power Current (A)	0.56	1.11	1.67	2.22
Module Efficiency (%)	11.43	11.66	13.19	14.05
Solar Cell Efficiency (%)	17.65	16.48	17.65	18.83
Series Fuse Rating (A)	15	15	15	15
Terminal Box	IP65			
Maximum system voltage (V)	DC1000			
Operating Temperature(°C)	-40°C ~85°C			
Dimension	250*350*17MM	490*350*25MM	650*350*25MM	425*670*25MM
Weight	0.9KG/PCS	1.8KG/PCS	2.3KG/PCS	2.3KG/PCS
Packing	10 pcs in one carton			

Electrical Characteristics

WARRANTY



Guarantee on product material and workmanship



linear power output warranty

MONO/POLY SOLAR MODULE

50&60W



PRODUCT FEATURE

- Bypass diode minimizes the power drop by shade.
- White tempered glass ,EVA resin,weather proof film and anodized aluminum frame to provide efficient protection from the severest environmental conditions.
- Waterproof.Perfect for grid applications.
- Product guarantee 10 years.

Quality Assurance

- Electrical Insulation test
- Outdoor exposure test
- Hot-spot endurance test
- UV-exposure
- Thermal cycling test
- Humidity freeze test
- Damp heat Test
- Robustness of terminations test
- Wet leakage current test
- Mechanical load test
- Hail impact test
- Bypass diode thermal test

Electric Performance Typical Performance Characteristics

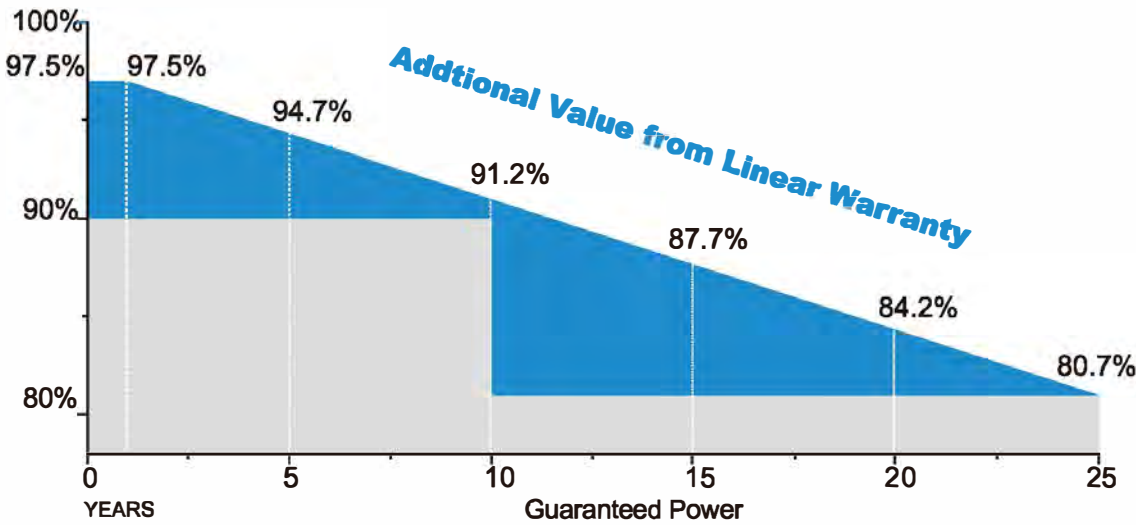
Short Circuit Current Temperature Coefficient	%/°C	0.06
Open Circuit Voltage Temperature Coefficient	%/°C	-0.34
Maximum Power Temperature Coefficient	%/°C	-0.47
Performance Warranty : 90%output , 12 years		
80%output, 25 years		

PRODUCT SPECIFICATION

Type Of Module	NB-50W	NB-60W
Maximum Power (W)	50	60
Tolerance (%)	± 3%	± 3%
Open Circuit Voltage (V)	21.78	21.78
Short Circuit Current (A)	2.92	3.50
Maximum Power Voltage (V)	18.00	18.00
Maximum Power Current (A)	2.78	3.33
Module Efficiency (%)	13.82	13.99
Solar Cell Efficiency (%)	17.48	17.65
Series Fuse Rating (A)	15	15
Terminal Box	IP65	IP65
Maximum system voltage (V)	DC1000	DC1000
Operating Temperature(°C)	-40°C --85°C	-40°C --85°C
Dimension	540*670*30MM	640*670*30MM
Weight	3.8KG/PCS	4.6KG/PCS
Packing	2 pcs in one carton	2 pcs in one carton

Electrical Characteristics

WARRANTY



10
YEARS

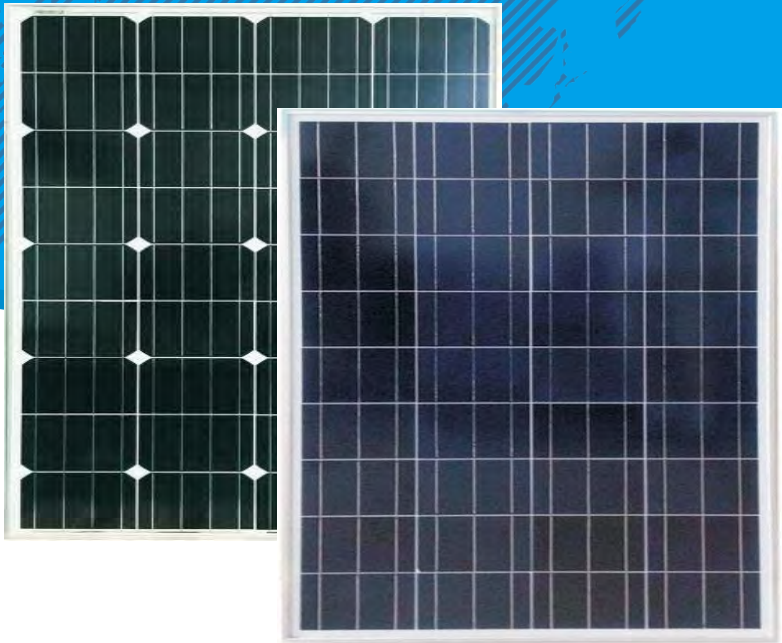
Guarantee on product
material and workmanship

25
YEARS

linear power
output warranty

MONO/POLY SOLAR MODULE

70-75W



PRODUCT FEATURE

- Bypass diode minimizes the power drop by shade.
- White tempered glass ,EVA resin,weather proof film and anodized aluminum frame to provide efficient protection from the severest environmental conditions.
- Waterproof.Perfect for grid applications.
- Product guarantee 10 years.

Quality Assurance

- Electrical Insulation test
 - Outdoor exposure test
 - Hot-spot endurance test
 - UV-exposure
 - Thermal cycling test
 - Humidity freeze test
- Damp heat Test
 - Robustness of terminations test
 - Wet leakage current test
 - Mechanical load test
 - Hail impact test
 - Bypass diode thermal test

Electric Performance Typical Performance Characteristics

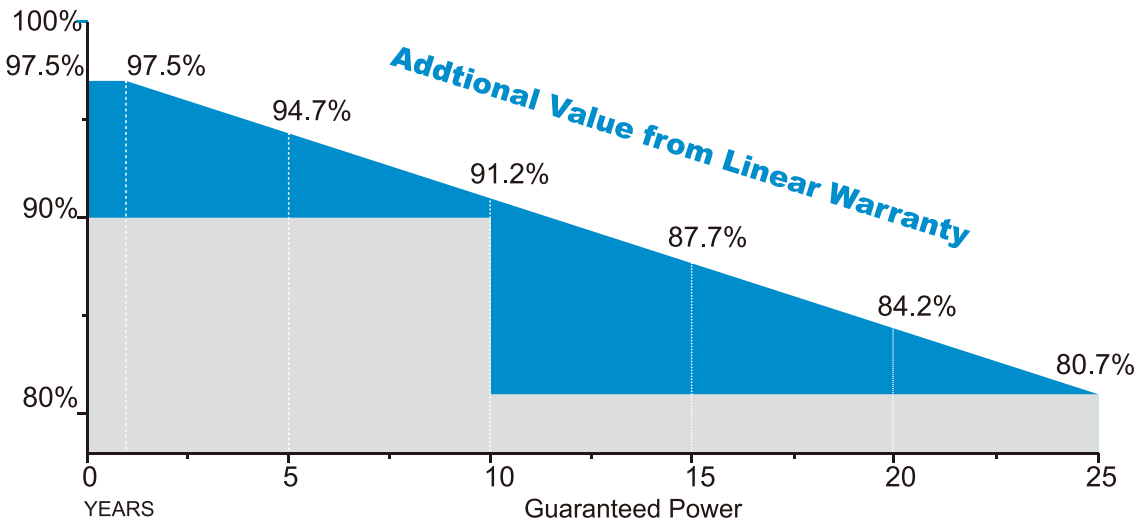
Short Circuit Current Temperature Coefficient	%/°C	0.06
Open Circuit Voltage Temperature Coefficient	%/°C	-0.34
Maximum Power Temperature Coefficient	%/°C	-0.47
Performance Warranty : 90%output , 12 years		
80%output, 25 years		

PRODUCT SPECIFICATION

Type Of Module	NB-70W	NB-75W
Maximum Power (W)	70	75
Tolerance (%)	± 3%	± 3%
Open Circuit Voltage (V)	21.78	22.39
Short Circuit Current (A)	4.08	4.26
Maximum Power Voltage (V)	18.00	18.50
Maximum Power Current (A)	3.89	4.05
Module Efficiency (%)	14.31	15.33
Solar Cell Efficiency (%)	17.72	18.99
Series Fuse Rating (A)	15	15
Terminal Box	IP65	IP65
Maximum system voltage (V)	DC1000	DC1000
Operating Temperature(°C)	-40°C --85°C	-40°C --85°C
Dimension	730*670*30MM	730*670*30MM
Weight	5.1KG/PCS	5.1KG/PCS
Packing	2 pcs in one carton	2 pcs in one carton

Electrical Characteristics

WARRANTY



Guarantee on product material and workmanship



linear power output warranty

MONO/POLY SOLAR MODULE

80-90W



PRODUCT FEATURE

- Bypass diode minimizes the power drop by shade.
- White tempered glass ,EVA resin,weather proof film and anodized aluminum frame to provide efficient protection from the severest environmental conditions.
- Waterproof.Perfect for grid applications.
- Product guarantee 10 years.

Quality Assurance

- Electrical Insulation test
- Outdoor exposure test
- Hot-spot endurance test
- UV-exposure
- Thermal cycling test
- Humidity freeze test
- Damp heat Test
- Robustness of terminations test
- Wet leakage current test
- Mechanical load test
- Hail impact test
- Bypass diode thermal test

Electric Performance Typical Performance Characteristics

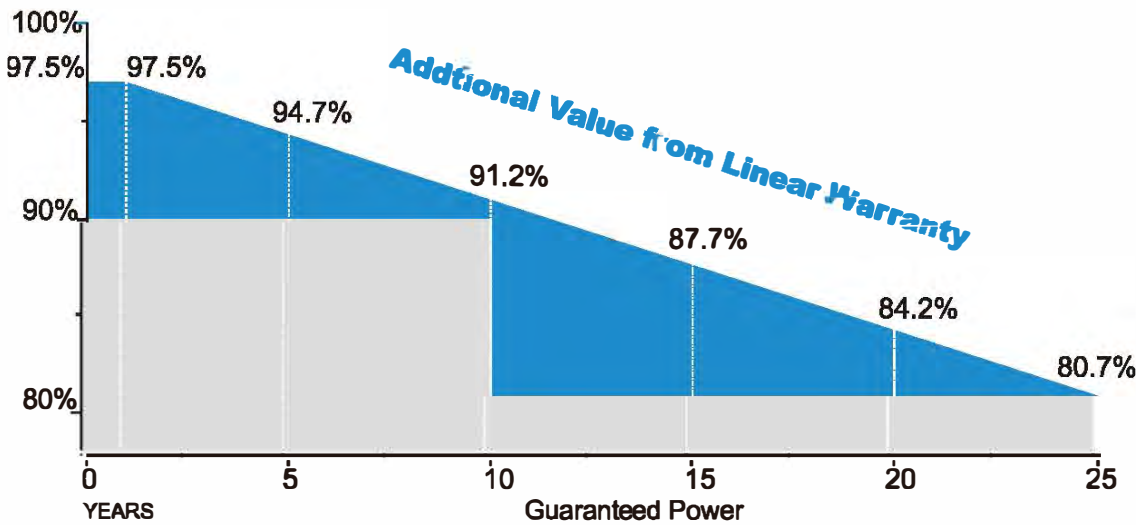
Short Circuit Current Temperature Coefficient	%/°C	0.06
Open Circuit Voltage Temperature Coefficient	%/°C	-0.34
Maximum Power Temperature Coefficient	%/°C	-0.47
Performance Warranty : 90%output , 12 years		
80%output, 25 years		

PRODUCT SPECIFICATION

Type Of Module	NB-80W	NB-85W	NB-90W
Maximum Power (W)	80	85	90
Tolerance (%)	± 3%	± 3%	± 3%
Open Circuit Voltage (V)	21.78	22.14	22.14
Short Circuit Current (A)	4.67	4.88	5.16
Maximum Power Voltage (V)	18.00	18.30	18.30
Maximum Power Current (A)	4.44	4.64	4.92
Module Efficiency (%)	15.31	15.19	16.09
Solar Cell Efficiency (%)	18.83	18.52	19.61
Series Fuse Rating (A)	15	15	15
Terminal Box	IP65	IP65	IP65
Maximum system voltage (V)	DC1000	DC1000	DC1000
Operating Temperature(°C)	-40°C -85°C	-40°C -85°C	-40°C -85°C
Dimension	780*670*30MM	835*670*30MM	835*670*30MM
Weight	5.3KG/PCS	5.7KG/PCS	5.7KG/PCS
Packing	2 pcs in one carton	2 pcs in one carton	2 pcs in one carton

Electrical Characteristics

WARRANTY



Guarantee on product material and workmanship



linear power output warranty

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MONO/POLY SOLAR MODULE

100-110W



PRODUCT FEATURE

- Bypass diode minimizes the power drop by shade.
- The conversion efficiency of solar cell is above 18.8%.
- White tempered glass ,EVA resin,weather proof film and anodized aluminum frame to provide efficient protection from the severest environmental conditions.
- Waterproof.Perfect for grid applications.
- Product guarantee 10 years.

Quality Assurance

- Electrical Insulation test
- Outdoor exposure test
- Hot-spot endurance test
- UV-exposure
- Thermal cycling test
- Humidity freeze test
- Damp heat Test
- Robustness of terminations test
- Wet leakage current test
- Mechanical load test
- Hail impact test
- Bypass diode thermal test

Electric Performance Typical Performance Characteristics

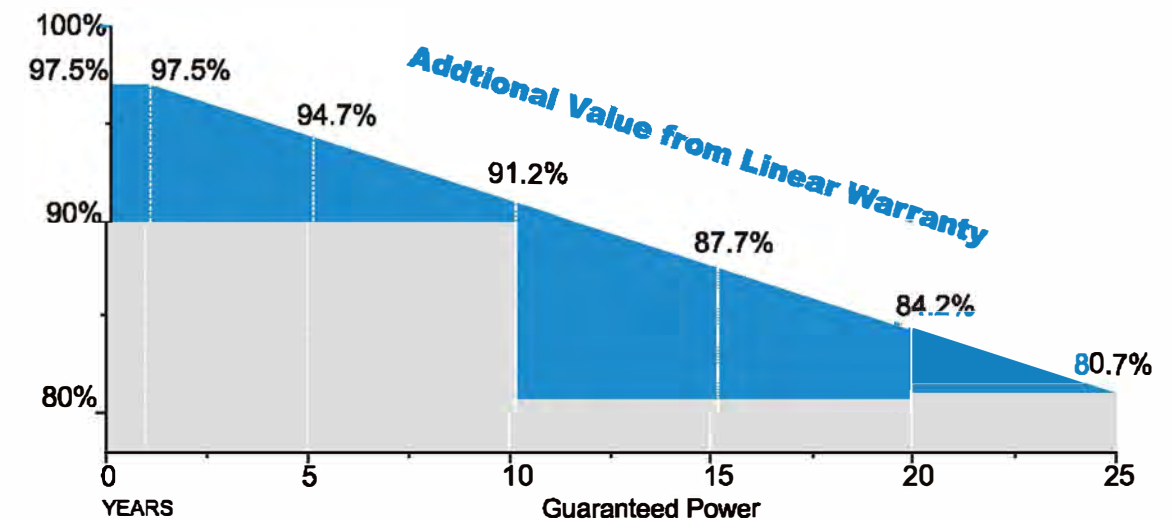
Short Circuit Current Temperature Coefficient	%/°C	0.06
Open Circuit Voltage Temperature Coefficient	%/°C	-0.34
Maximum Power Temperature Coefficient	%/°C	-0.47
Performance Warranty : 90%output , 12 years		
80%output, 25 years		

PRODUCT SPECIFICATION

Type Of Module	NB-100W	NB-110W
Maximum Power (W)	100	110
Tolerance (%)	± 3%	± 3%
Open Circuit Voltage (V)	21.78	22.39
Short Circuit Current (A)	5.83	6.24
Maximum Power Voltage (V)	18.00	18.50
Maximum Power Current (A)	5.56	5.95
Module Efficiency (%)	14.49	15.94
Solar Cell Efficiency (%)	17.65	19.42
Series Fuse Rating (A)	15	15
Terminal Box	IP65	IP65
Maximum system voltage (V)	DC1000	DC1000
Operating Temperature(°C)	-40°C --85°C	-40°C --85°C
Dimension	1030*670*30MM	1030*670*30MM
Weight	7.2KG/PCS	7.2KG/PCS
Packing	2 pcs in one carton	2 pcs in one carton

Electrical Characteristics

WARRANTY



Guarantee on product material and workmanship



linear power output warranty

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MONO/POLY SOLAR MODULE

120-130W



PRODUCT FEATURE

- Bypass diode minimizes the power drop by shade.
- The conversion efficiency of solar cell is above 18.8%.
- White tempered glass ,EVA resin,weather proof film and anodized aluminum frame to provide efficient protection from the severest environmental conditions.
- Waterproof.Perfect for grid applications.
- Product guarantee 10 years.

Quality Assurance

- Electrical Insulation test
 - Outdoor exposure test
 - Hot-spot endurance test
 - UV-exposure
 - Thermal cycling test
 - Humidity freeze test
- Damp heat Test
 - Robustness of terminations test
 - Wet leakage current test
 - Mechanical load test
 - Hail impact test
 - Bypass diode thermal test

Electric Performance Typical Performance Characteristics

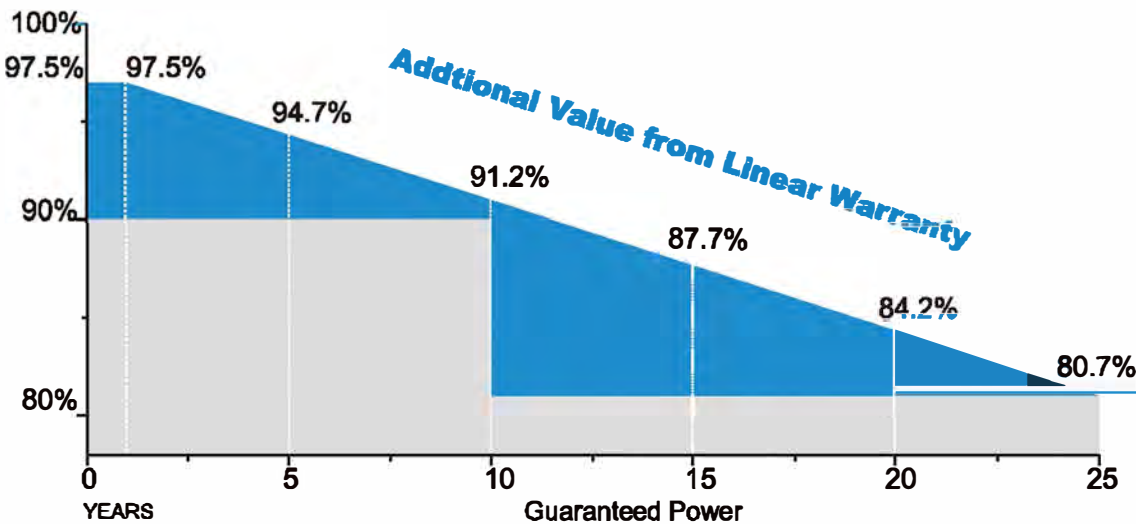
Short Circuit Current Temperature Coefficient	%/°C	0.06
Open Circuit Voltage Temperature Coefficient	%/°C	-0.34
Maximum Power Temperature Coefficient	%/°C	-0.47
Performance Warranty : 90%output , 12 years		
80%output, 25 years		

PRODUCT SPECIFICATION

Type Of Module	NB-120W	NB-130W
Maximum Power (W)	120	130
Tolerance (%)	± 3%	± 3%
Open Circuit Voltage (V)	21.78	22.39
Short Circuit Current (A)	7.00	7.38
Maximum Power Voltage (V)	18.00	18.50
Maximum Power Current (A)	6.67	7.03
Module Efficiency (%)	14.93	16.17
Solar Cell Efficiency (%)	17.76	19.25
Series Fuse Rating (A)	15	15
Terminal Box	IP65	IP65
Maximum system voltage (V)	DC1000	DC1000
Operating Temperature(°C)	-40°C --85°C	-40°C --85°C
Dimension	1200*670*30MM	1200*670*30MM
Weight	9.2KG/PCS	9.2KG/PCS
Packing	2 pcs in one carton	2 pcs in one carton

Electrical Characteristics

WARRANTY



Guarantee on product material and workmanship



linear power output warranty

MONO/POLY SOLAR MODULE

156.75' 150-165W



PRODUCT FEATURE

- Bypass diode minimizes the power drop by shade.
- White tempered glass ,EVA resin,weather proof film and anodized aluminum frame to provide efficient protection from the severest environmental conditions.
- Waterproof.Perfect for grid applications.
- Product guarantee 10 years.

Quality Assurance

- Electrical Insulation test
- Outdoor exposure test
- Hot-spot endurance test
- UV-exposure
- Thermal cycling test
- Humidity freeze test
- Damp heat Test
- Robustness of terminations test
- Wet leakage current test
- Mechanical load test
- Hail impact test
- Bypass diode thermal test

Electric Performance Typical Performance Characteristics

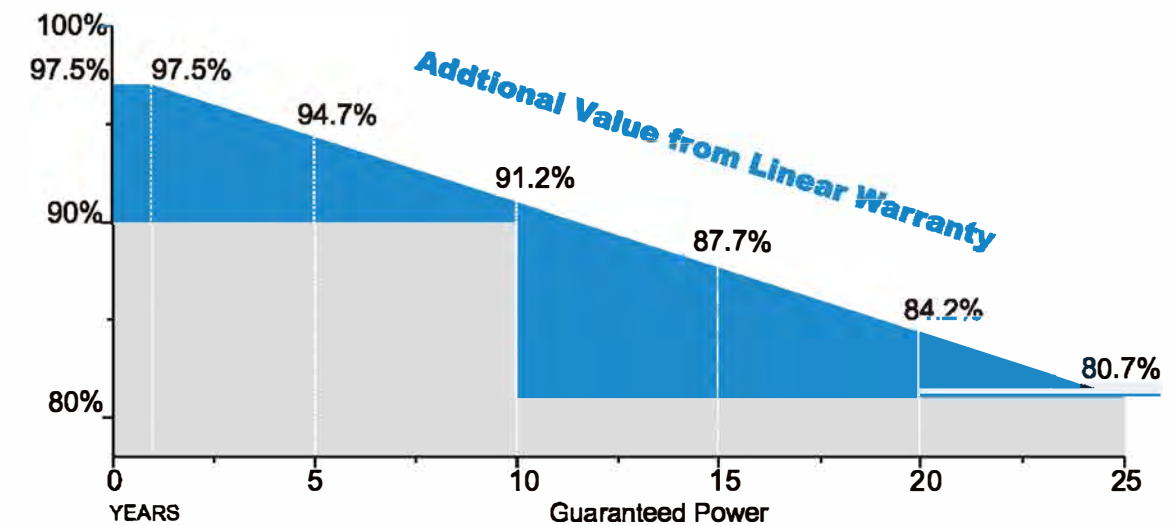
Short Circuit Current Temperature Coefficient	%/°C	0.06
Open Circuit Voltage Temperature Coefficient	%/°C	-0.34
Maximum Power Temperature Coefficient	%/°C	-0.47
Performance Warranty : 90%output , 12 years		
80%output, 25 years		

PRODUCT SPECIFICATION

Type Of Module	NB-P150W	NB-P155W	NB-P160W	NB-P165W
Maximum Power (W)	150	155	160	165
Tolerance (%)	± 3%	± 3%	± 3%	± 3%
Open Circuit Voltage (V)	21.8	21.9	22.1	22.4
Short Circuit Current (A)	8.75	8.99	9.18	9.36
Maximum Power Voltage (V)	18	18.1	18.3	18.5
Maximum Power Current (A)	8.33	8.56	8.74	8.92
Module Efficiency (%)	15.1	15.6	16.1	16.6
Solar Cell Efficiency (%)	17.48	18.07	18.65	19.23
Series Fuse Rating (A)	15	15	15	15
Terminal Box	IP65			
Maximum system voltage (V)	DC1000			
Operating Temperature(°C)	-40°C --85°C			
Dimension	1480*670*30MM			
Weight	10.4KG/PCS			
Packing	2 pcs in one carton or 35pcs/ pallet			

Electrical Characteristics

WARRANTY



Guarantee on product material and workmanship



linear power output warranty

info@timipower.com



MONO/POLY SOLAR MODULE

156.75' 200-225W



PRODUCT FEATURE

- Bypass diode minimizes the power drop by shade.
- White tempered glass ,EVA resin,weather proof film and anodized aluminum frame to provide efficient protection from the severest environmental conditions.
- Waterproof.Perfect for grid applications.
- Product guarantee 10 years.

Quality Assurance

- Electrical Insulation test
- Outdoor exposure test
- Hot-spot endurance test
- UV-exposure
- Thermal cycling test
- Humidity freeze test
- Damp heat Test
- Robustness of terminations test
- Wet leakage current test
- Mechanical load test
- Hail impact test
- Bypass diode thermal test

Electric Performance Typical Performance Characteristics

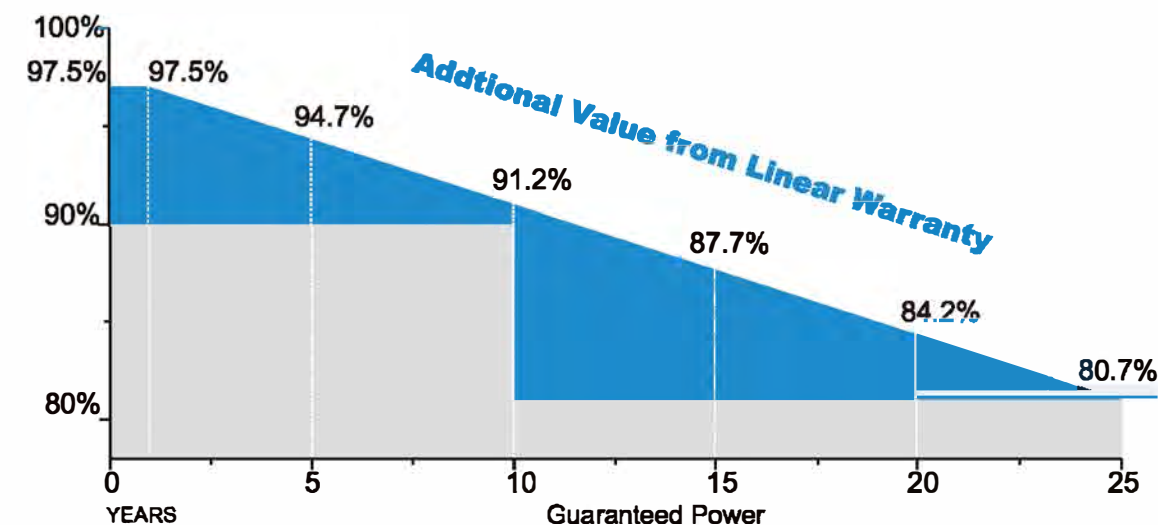
Short Circuit Current Temperature Coefficient	%/°C	0.06
Open Circuit Voltage Temperature Coefficient	%/°C	-0.34
Maximum Power Temperature Coefficient	%/°C	-0.47
Performance Warranty : 90%output , 12 years		
80%output, 25 years		

PRODUCT SPECIFICATION

Type Of Module	NB-P200W	NB-P205W	NB-P210W	NB-P215W
Maximum Power (W)	200	205	210	215
Tolerance (%)	± 3%	± 3%	± 3%	± 3%
Open Circuit Voltage (V)	43.6	43.7	43.9	44.2
Short Circuit Current (A)	5.83	5.96	6.07	6.18
Maximum Power Voltage (V)	36	36.1	36.3	36.5
Maximum Power Current (A)	5.56	5.68	5.79	5.89
Module Efficiency (%)	15.2	15.5	15.9	16.3
Solar Cell Efficiency (%)	17.48	17.92	18.36	18.79
Series Fuse Rating (A)	15	15	15	15
Terminal Box	IP65			
Maximum system voltage (V)	DC1000			
Operating Temperature(°C)	-40°C -85°C			
Dimension	1330*990*35MM			
Weight	13.5KG/PCS			
Packing	2 pcs in one carton or 30pcs/ pallet			

Electrical Characteristics

WARRANTY



Guarantee on product material and workmanship



linear power output warranty

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POLY SOLAR MODULE

156.75' 250-280W



PRODUCT FEATURE

- Bypass diode minimizes the power drop by shade.
- White tempered glass ,EVA resin,weather proof film and anodized aluminum frame to provide efficient protection from the severest environmental conditions.
- Waterproof.Perfect for grid applications.
- Product guarantee 10 years.

Quality Assurance

- Electrical Insulation test
- Outdoor exposure test
- Hot-spot endurance test
- UV-exposure
- Thermal cycling test
- Humidity freeze test
- Damp heat Test
- Robustness of terminations test
- Wet leakage current test
- Mechanical load test
- Hail impact test
- Bypass diode thermal test

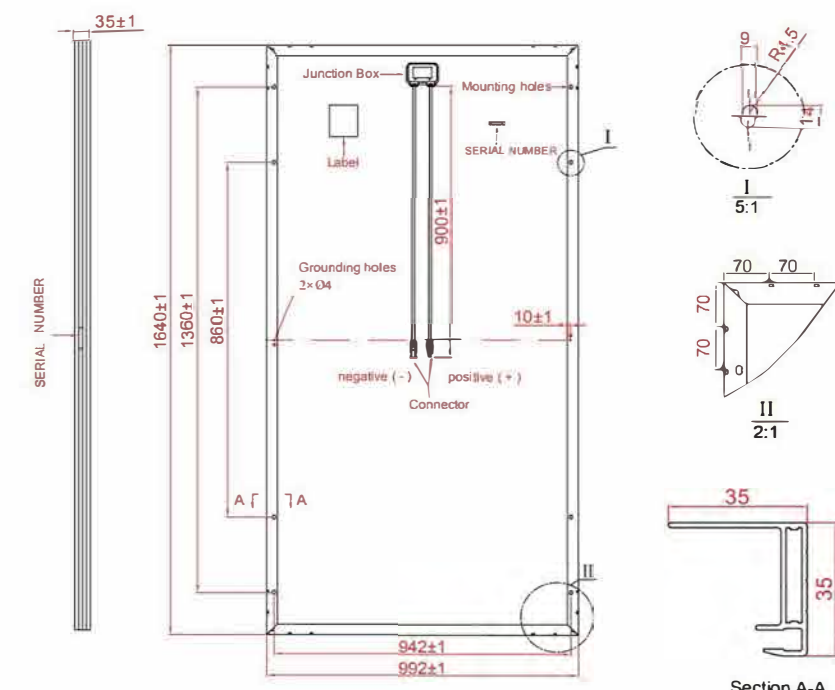
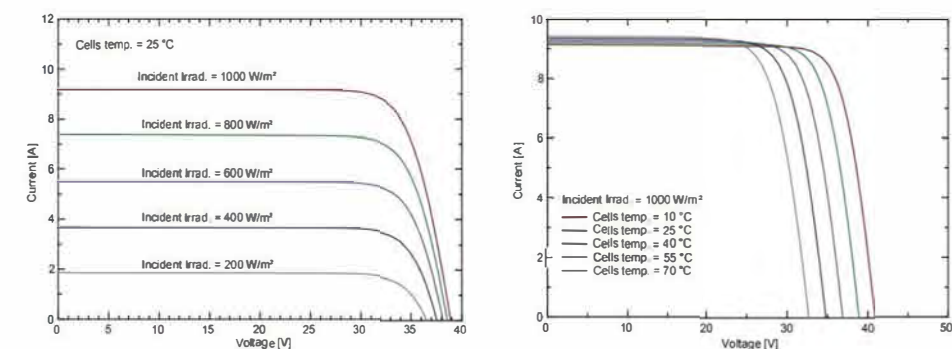
Electric Performance Typical Performance Characteristics

Short Circuit Current Temperature Coefficient	%/°C	0.06
Open Circuit Voltage Temperature Coefficient	%/°C	-0.34
Maximum Power Temperature Coefficient	%/°C	-0.47
Performance Warranty : 90%output , 12 years		
80%output, 25 years		

PRODUCT SPECIFICATION

Type Of Module	NB-60-P250W	NB-60-P255W	NB-60-P260W	NB-60-P265W	NB-60-P270W	NB-60-P275W	NB-60-P280W
Maximum Power (W)	250	255	260	265	270	275	280
Tolerance (%)	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%
Open Circuit Voltage (V)	36.3	36.9	37.3	37.8	38.1	38.2	38.4
Short Circuit Current (A)	8.75	8.78	8.86	8.92	8.96	9.06	9.16
Maximum Power Voltage (V)	30	30.5	30.8	31.2	31.5	31.6	31.7
Maximum Power Current (A)	8.33	8.36	8.44	8.49	8.57	8.7	8.83
Module Efficiency (%)	15.4	15.7	16.0	16.3	16.6	16.9	17.2
Solar Cell Efficiency (%)	17.48	17.83	18.18	18.53	18.88	19.23	19.58
Series Fuse Rating (A)	15	15	15	15	15	15	15
Terminal Box	IP65						
Maximum system voltage (V)	DC1000						
Operating Temperature(°C)	-40°C ~85°C						
Dimension	1640*992*35MM						
Weight	18KG/PCS						
Packing	2 pcs in one carton or 30pcs/ pallet						

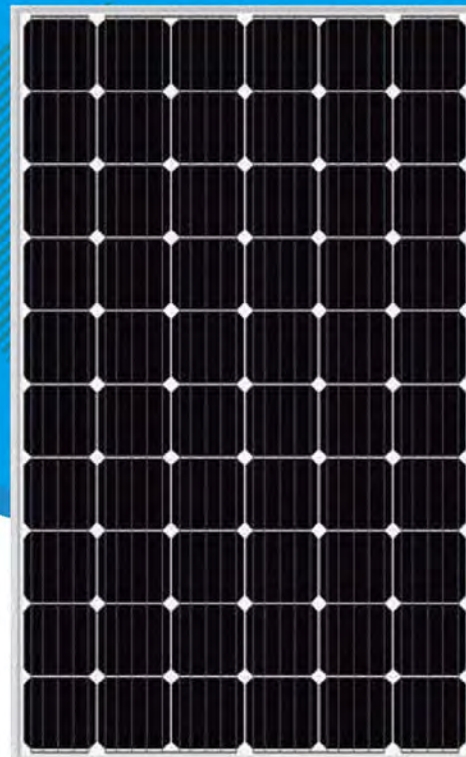
Electrical Characteristics



Section A-A

MONO SOLAR MODULE

156.75' 270-300W



PRODUCT FEATURE

- Bypass diode minimizes the power drop by shade.
- White tempered glass ,EVA resin,weather proof film and anodized aluminum frame to provide efficient protection from the severest environmental conditions.
- Waterproof.Perfect for grid applications.
- Product guarantee 10 years.

Quality Assurance

- Electrical Insulation test
- Outdoor exposure test
- Hot-spot endurance test
- UV-exposure
- Thermal cycling test
- Humidity freeze test
- Damp heat Test
- Robustness of terminations test
- Wet leakage current test
- Mechanical load test
- Hail impact test
- Bypass diode thermal test

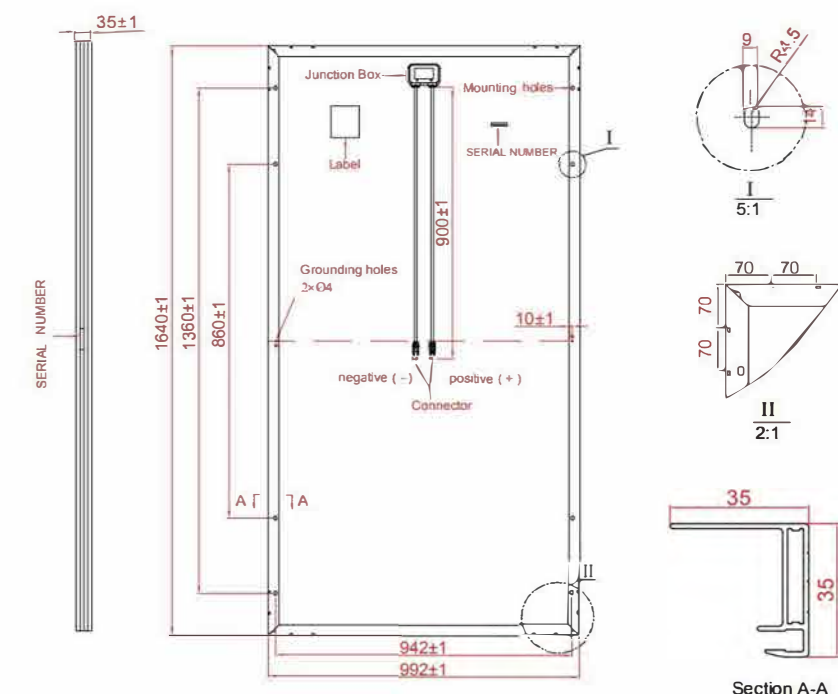
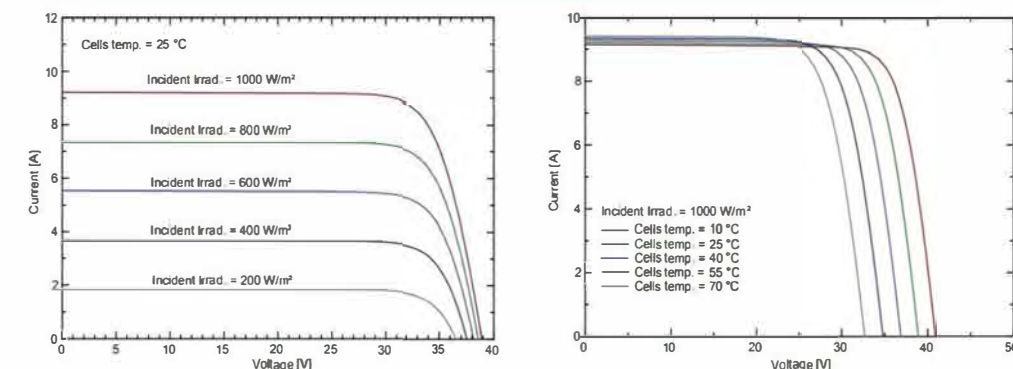
Electric Performance Typical Performance Characteristics

Short Circuit Current Temperature Coefficient	%/°C	0.06
Open Circuit Voltage Temperature Coefficient	%/°C	-0.34
Maximum Power Temperature Coefficient	%/°C	-0.47
Performance Warranty : 90%output , 12 years		
80%output, 25 years		

PRODUCT SPECIFICATION

Type Of Module	NB-60-M270W	NB-60-M275W	NB-60-M280W	NB-60-M285W	NB-60-M290W	NB-60-M295W	NB-60-M300W
Maximum Power (W)	270	275	280	285	290	295	300
Tolerance (%)	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%
Open Circuit Voltage (V)	38.1	38.2	38.4	38.5	38.6	38.7	38.8
Short Circuit Current (A)	9.00	9.14	9.27	9.41	8.96	9.06	9.16
Maximum Power Voltage (V)	31.5	31.6	31.7	31.8	31.9	32	32.1
Maximum Power Current (A)	8.57	8.70	8.83	8.96	8.57	8.7	8.83
Module Efficiency (%)	16.6	16.9	17.2	17.5	17.8	18.1	18.4
Solar Cell Efficiency (%)	18.88	19.23	19.58	19.93	20.28	20.63	20.98
Series Fuse Rating (A)	15	15	15	15	15	15	15
Terminal Box	IP65						
Maximum system voltage (V)	DC1000						
Operating Temperature(°C)	-40°C ~85°C						
Dimension	1640*992*35MM						
Weight	18KG/PCS						
Packing	2 pcs in one carton or 30pcs/ pallet						

Electrical Characteristics

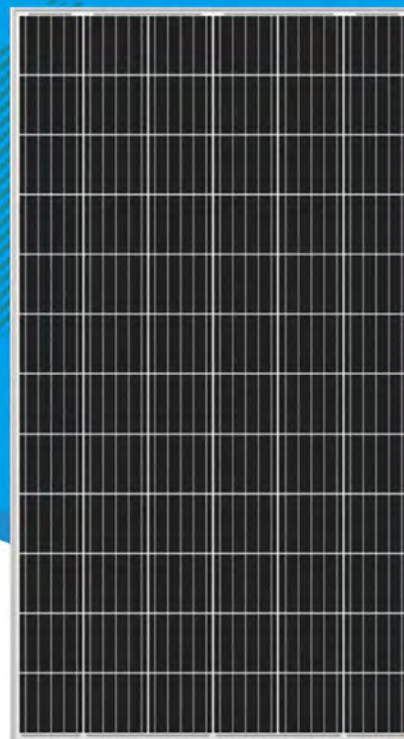


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POLY SOLAR MODULE

156.75' 300-335W



PRODUCT FEATURE

- Bypass diode minimizes the power drop by shade.
- White tempered glass ,EVA resin,weather proof film and anodized aluminum frame to provide efficient protection from the severest environmental conditions.
- Waterproof.Perfect for grid applications.
- Product guarantee 10 years.

Quality Assurance

- Electrical Insulation test
- Outdoor exposure test
- Hot-spot endurance test
- UV-exposure
- Thermal cycling test
- Humidity freeze test
- Damp heat Test
- Robustness of terminations test
- Wet leakage current test
- Mechanical load test
- Hail impact test
- Bypass diode thermal test

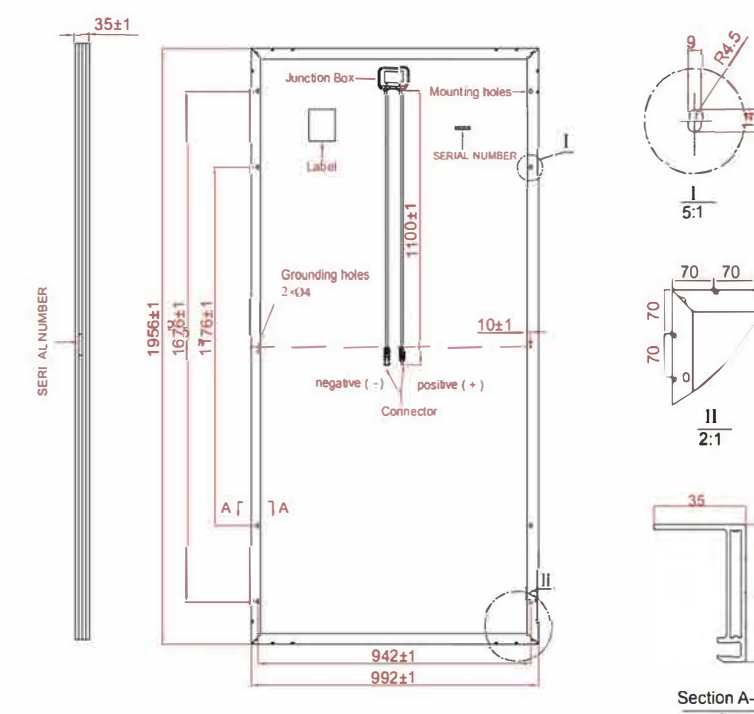
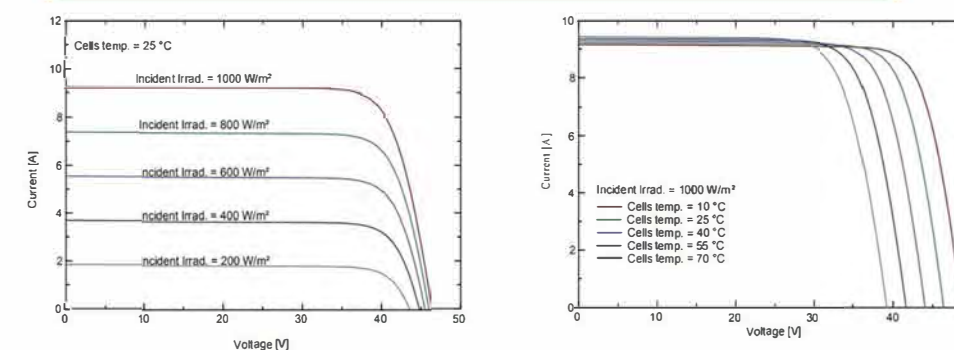
Electric Performance Typical Performance Characteristics

Short Circuit Current Temperature Coefficient	%/°C	0.06
Open Circuit Voltage Temperature Coefficient	%/°C	-0.34
Maximum Power Temperature Coefficient	%/°C	-0.47
Performance Warranty : 90%output , 12 years		
80%output, 25 years		

PRODUCT SPECIFICATION

Type Of Module	NB-72-P300W	NB-72-P305W	NB-72-P310W	NB-72-P315W	NB-72-P320W	NB-72-P325W	NB-72-P330W
Maximum Power (W)	300	305	310	315	320	325	330
Tolerance (%)	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%
Open Circuit Voltage (V)	43.7	43.9	44.2	44.4	44.6	45.0	45.1
Short Circuit Current (A)	8.73	8.82	8.92	9.01	9.11	8.96	9.29
Maximum Power Voltage (V)	36.1	36.3	36.5	36.7	36.9	37.2	37.3
Maximum Power Current (A)	8.31	8.40	8.49	8.58	8.67	8.74	8.85
Module Efficiency (%)	15.5	15.7	16.0	16.2	16.5	16.7	17.0
Solar Cell Efficiency (%)	17.48	17.77	18.07	18.36	18.65	18.94	19.23
Series Fuse Rating (A)	15	15	15	15	15	15	15
Terminal Box	IP65						
Maximum system voltage (V)	DC1000						
Operating Temperature(°C)	-40 °C ~85 °C						
Dimension	1956*992*35MM OR 1956*992*40MM						
Weight	22KG/PCS						
Packing	2 pcs In one carton or 26pcs/ pallet						

Electrical Characteristics



MONO SOLAR MODULE

156.75' 330-360W



PRODUCT FEATURE

- Bypass diode minimizes the power drop by shade.
- White tempered glass ,EVA resin,weather proof film and anodized aluminum frame to provide efficient protection from the severest environmental conditions.
- Waterproof.Perfect for grid applications.
- Product guarantee 10 years.

Quality Assurance

- Electrical Insulation test
- Outdoor exposure test
- Hot-spot endurance test
- UV-exposure
- Thermal cycling test
- Humidity freeze test
- Damp heat Test
- Robustness of terminations test
- Wet leakage current test
- Mechanical load test
- Hail impact test
- Bypass diode thermal test

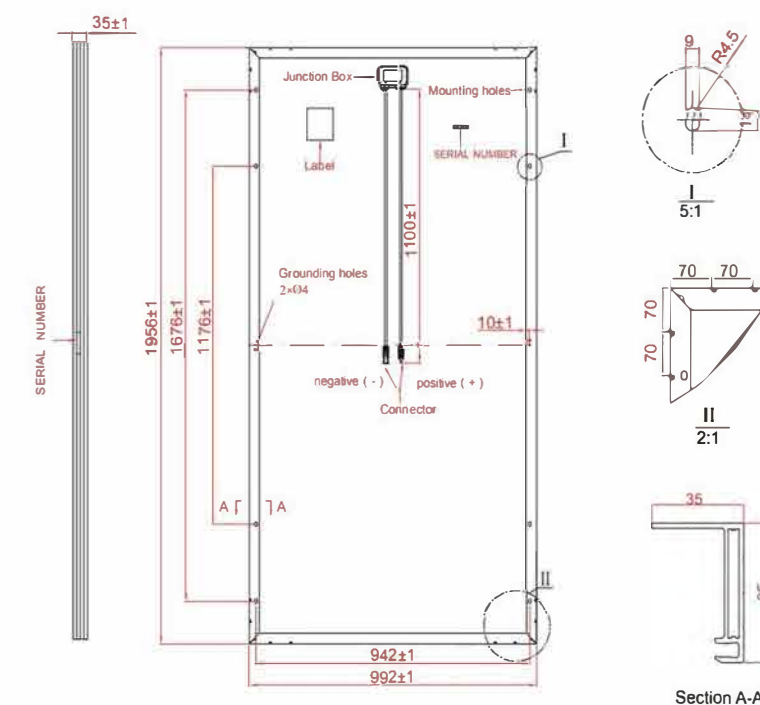
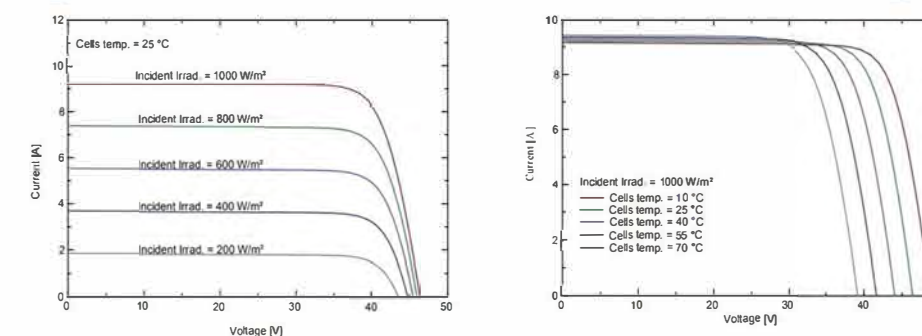
Electric Performance Typical Performance Characteristics

Short Circuit Current Temperature Coefficient	%/°C	0.06
Open Circuit Voltage Temperature Coefficient	%/°C	-0.34
Maximum Power Temperature Coefficient	%/°C	-0.47
Performance Warranty : 90%output , 12 years		
80%output, 25 years		

PRODUCT SPECIFICATION

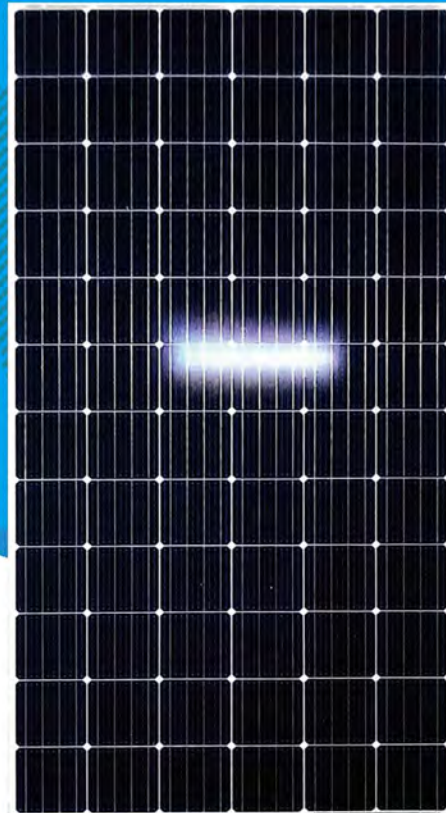
Type Of Module	NB-72-M330W	NB-72-M335W	NB-72-M340W	NB-72-M345W	NB-72-M350W	NB-72-M355W	NB-72-M360W
Maximum Power (W)	330	335	340	345	350	355	360
Tolerance (%)	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%
Open Circuit Voltage (V)	45.1	45.4	45.6	45.9	46.1	46.3	46.6
Short Circuit Current (A)	9.29	9.38	9.47	9.56	8.96	9.06	9.16
Maximum Power Voltage (V)	37.3	37.5	37.7	37.9	38.1	38.3	38.5
Maximum Power Current (A)	8.85	8.93	9.02	9.10	9.19	8.7	8.83
Module Efficiency (%)	17.0	17.3	17.5	17.8	18.0	18.3	18.6
Solar Cell Efficiency (%)	19.23	19.52	19.81	20.10	20.40	20.69	20.98
Series Fuse Rating (A)	15	15	15	15	15	15	15
Terminal Box	IP65						
Maximum system voltage (V)	DC1000						
Operating Temperature(°C)	-40°C ~85°C						
Dimension	1956*992*35MM OR 1956*992*40MM						
Weight	22KG/PCS						
Packing	2 pcs in one carton or 26pcs/ pallet						

Electrical Characteristics



MONO SOLAR MODULE

158.75' 365-380W



PRODUCT FEATURE

- Bypass diode minimizes the power drop by shade.
- White tempered glass ,EVA resin,weather proof film and anodized aluminum frame to provide efficient protection from the severest environmental conditions.
- Waterproof.Perfect for grid applications.
- Product guarantee 10 years.

Quality Assurance

- Electrical Insulation test
- Outdoor exposure test
- Hot-spot endurance test
- UV-exposure
- Thermal cycling test
- Humidity freeze test
- Damp heat Test
- Robustness of terminations test
- Wet leakage current test
- Mechanical load test
- Hail impact test
- Bypass diode thermal test

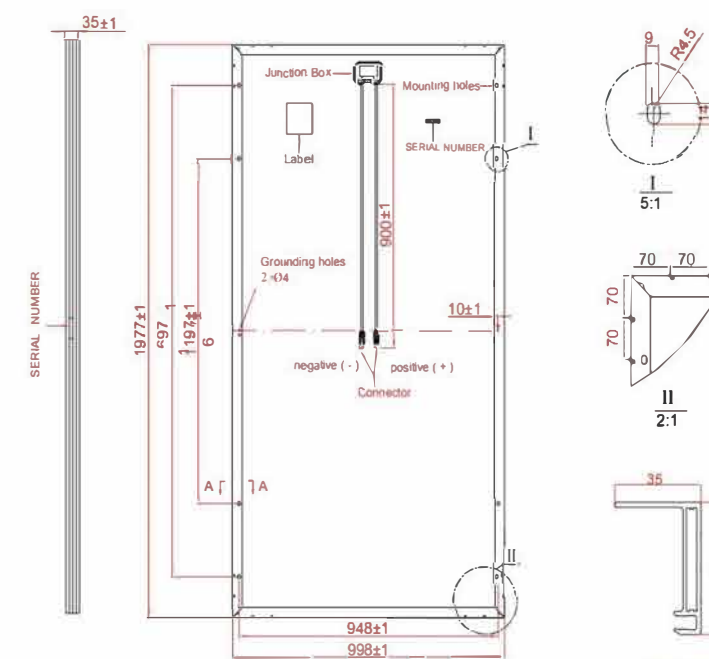
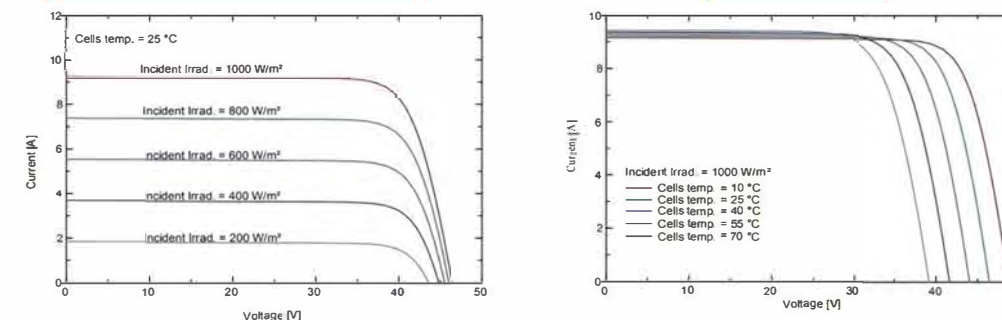
Electric Performance Typical Performance Characteristics

Short Circuit Current Temperature Coefficient	%/°C	0.06
Open Circuit Voltage Temperature Coefficient	%/°C	-0.34
Maximum Power Temperature Coefficient	%/°C	-0.47
Performance Warranty : 90%output , 12 years		
80%output, 25 years		

PRODUCT SPECIFICATION

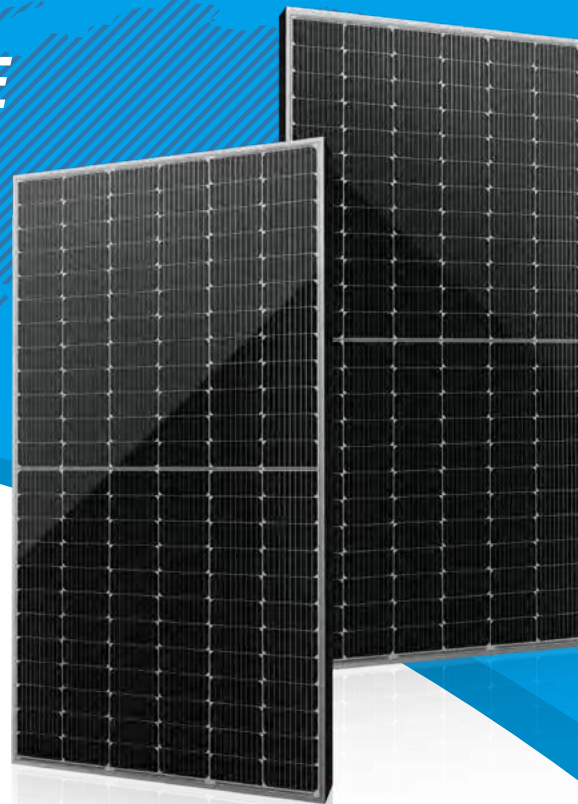
Type Of Module	NB-72-M365W	NB-72-M370W	NB-72-M375W	NB-72-M3380W
Maximum Power (W)	365	370	375	380
Tolerance (%)	± 3%	± 3%	± 3%	± 3%
Open Circuit Voltage (V)	45.9	46.1	46.3	46.6
Short Circuit Current (A)	10.11	8.96	9.06	9.16
Maximum Power Voltage (V)	37.9	38.1	38.3	38.5
Maximum Power Current (A)	9.63	9.71	8.7	8.83
Module Efficiency (%)	18.5	18.8	19.0	19.3
Solar Cell Efficiency (%)	21.17	21.46	21.75	22.04
Series Fuse Rating (A)	15	15	15	15
Terminal Box	IP65			
Maximum system voltage (V)	DC1000			
Operating Temperature(°C)	-40°C --85°C			
Dimension	1977*998*35MM or 1977*998*40MM			
Weight	22.5KG/PCS			
Packing	2 pcs in one carton or 26pcs/ pallet			

Electrical Characteristics



MONO SOLAR MODULE

166*83 Half cell 410-450W



PRODUCT FEATURE

- Bypass diode minimizes the power drop by shade.
- White tempered glass ,EVA resin,weather proof film and anodized aluminum frame to provide efficient protection from the severest environmental conditions.
- Waterproof.Perfect for grid applications.
- Product guarantee 10 years.

Quality Assurance

- Electrical Insulation test
- Outdoor exposure test
- Hot-spot endurance test
- UV-exposure
- Thermal cycling test
- Humidity freeze test
- Damp heat Test
- Robustness of terminations test
- Wet leakage current test
- Mechanical load test
- Hail impact test
- Bypass diode thermal test

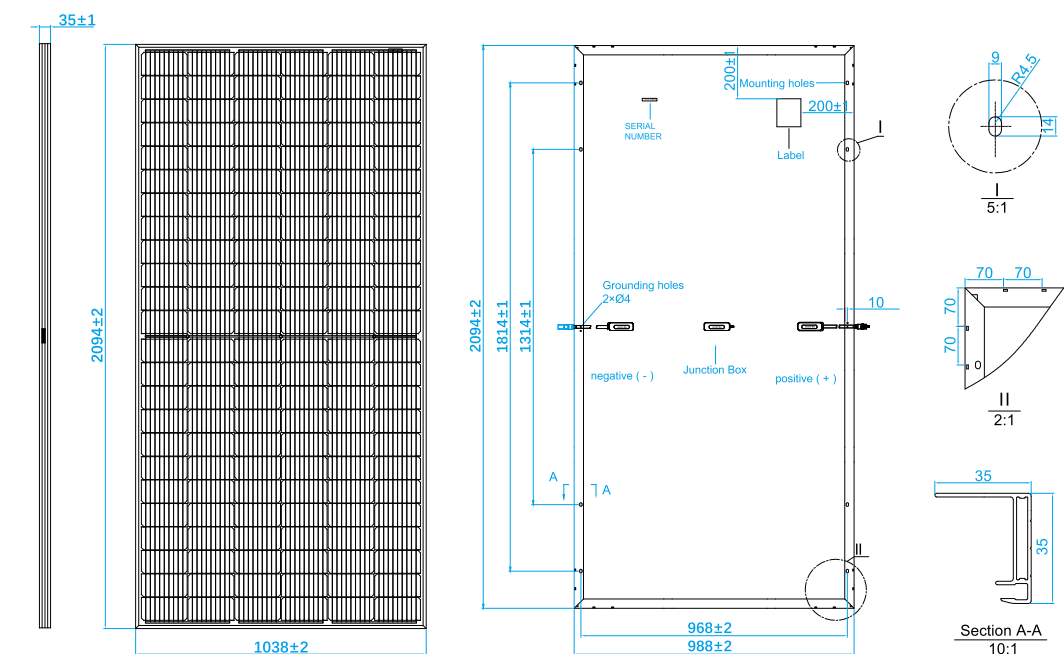
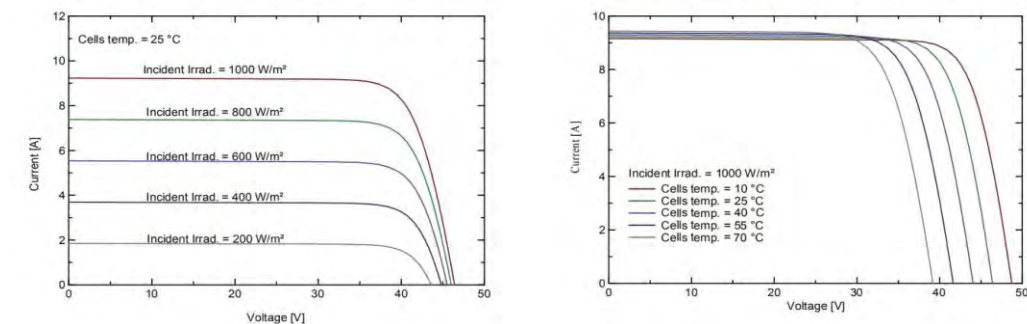
Electric Performance Typical Performance Characteristics

Short Circuit Current Temperature Coefficient	%/°C	0.06
Open Circuit Voltage Temperature Coefficient	%/°C	-0.34
Maximum Power Temperature Coefficient	%/°C	-0.47
Performance Warranty : 90%output , 12 years		
80%output, 25 years		

PRODUCT SPECIFICATION

Type Of Module	NB-410W	NB-420W	NB-440W	NB-450W
Maximum Power (W)	410W	420W	440W	450W
Tolerance (%)	±3%	±3%	±3%	±3%
Open Circuit Voltage (V)	48.80	48.96	49.50	50.28
Short Circuit Current (A)	10.75	10.93	10.33	11.40
Maximum Power Voltage (V)	40.10	40.51	40.95	41.60
Maximum Power Current (A)	10.22	10.37	10.75	10.82
Module Efficiency (%)	18.86	19.30	20.24	20.70
Solar Cell Efficiency (%)	21.3	21.82	22.86	23.38
Series Fuse Rating (A)	20	20	20	20
Terminal Box	IP65			
Maximum system voltage (V)	DC 1500V			
Operating Temperature(°C)	-40°C --85°C			
Dimension	2094 x 1038 x 35 mm			
Weight	23.5kg/pc			
Packing	2pcs in one carton or 30pcs per pallet			

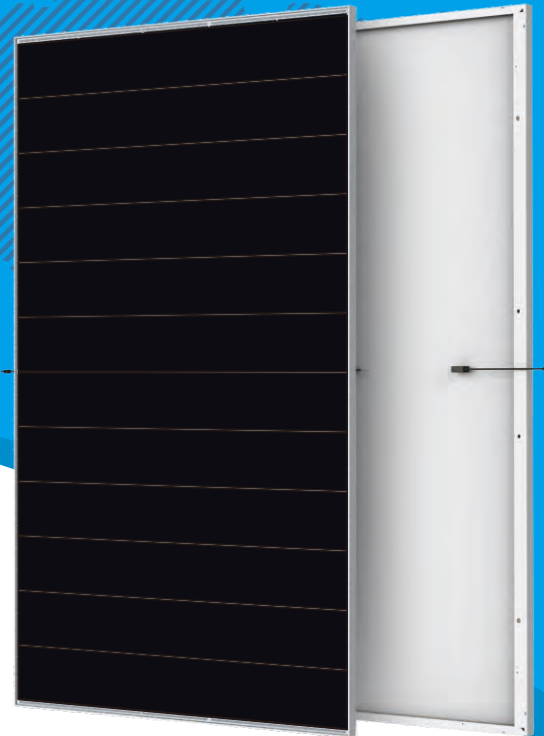
Electrical Characteristics



All dimensions in mm

MONO SOLAR MODULE

166*33.2 450-490W



PRODUCT FEATURE

- Bypass diode minimizes the power drop by shade.
- White tempered glass ,EVA resin,weather proof film and anodized aluminum frame to provide efficient protection from the severest environmental conditions.
- Waterproof.Perfect for grid applications.
- Product guarantee 10 years.

Quality Assurance

- Electrical Insulation test
- Outdoor exposure test
- Hot-spot endurance test
- UV-exposure
- Thermal cycling test
- Humidity freeze test
- Damp heat Test
- Robustness of terminations test
- Wet leakage current test
- Mechanical load test
- Hail impact test
- Bypass diode thermal test

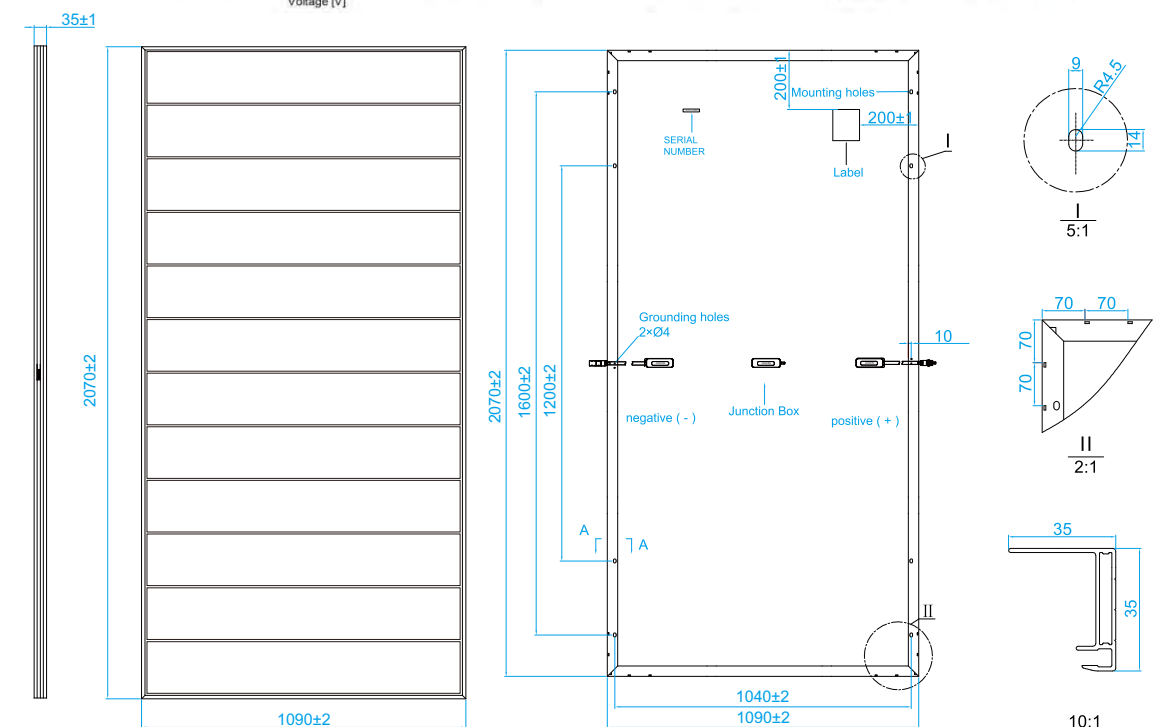
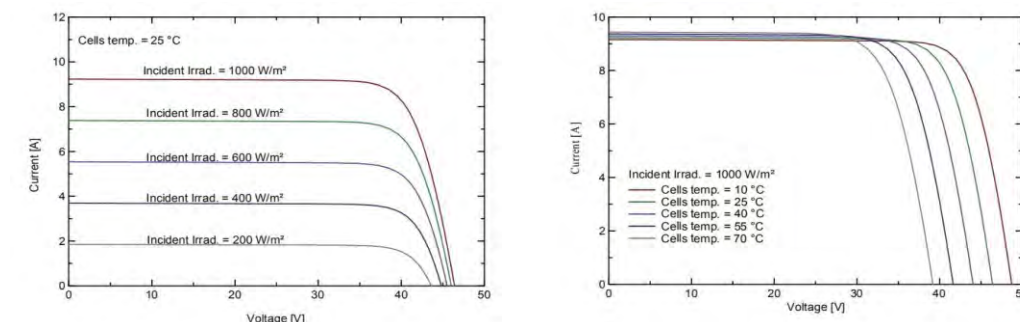
Electric Performance Typical Performance Characteristics

Short Circuit Current Temperature Coefficient	%/°C	0.06
Open Circuit Voltage Temperature Coefficient	%/°C	-0.34
Maximum Power Temperature Coefficient	%/°C	-0.47
Performance Warranty : 90%output , 12 years		
80%output, 25 years		

PRODUCT SPECIFICATION

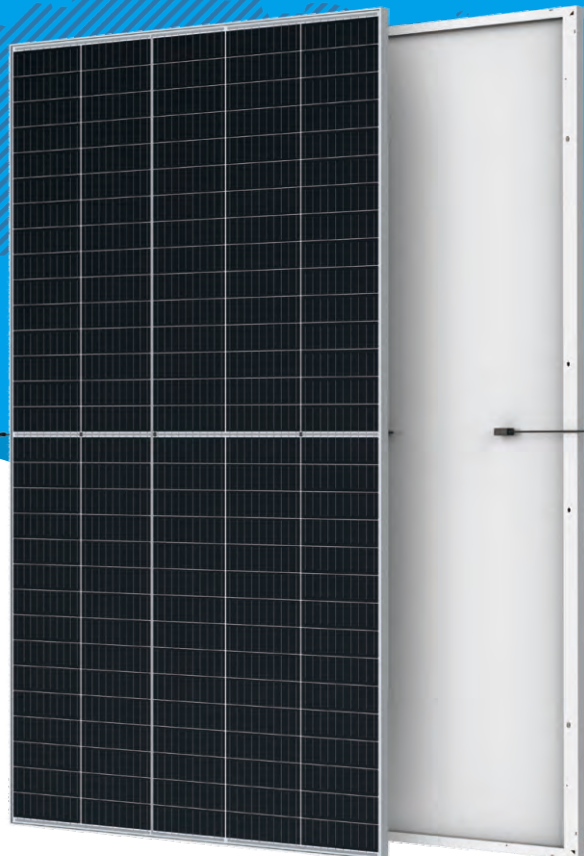
Type Of Module	NB-450W	NB-460W	NB-480W	NB-490W
Maximum Power (W)	450W	460W	480W	490W
Tolerance (%)	±3%	±3%	±3%	±3%
Open Circuit Voltage (V)	41.95	42.56	43.68	43.98
Short Circuit Current (A)	13.70	13.80	14.04	14.23
Maximum Power Voltage (V)	35.83	36.35	37.31	37.56
Maximum Power Current (A)	12.56	12.65	12.87	13.05
Module Efficiency (%)	19.94	20.39	21.27	21.71
Solar Cell Efficiency (%)	22.53	23.04	23.50	23.90
Series Fuse Rating (A)	20	20	20	20
Terminal Box	IP65			
Maximum system voltage (V)	DC 1500V			
Operating Temperature(°C)	-40°C --85°C			
Dimension	2070 x 1090 x 35 mm			
Weight	24.5kg/pc			
Packing	2pcs in one carton or 30pcs per pallet			

Electrical Characteristics



All dimensions in mm

MONO SOLAR MODULE
166*33.2 480-510W



PRODUCT FEATURE

- Bypass diode minimizes the power drop by shade.
- White tempered glass ,EVA resin,weather proof film and anodized aluminum frame to provide efficient protection from the severest environmental conditions.
- Waterproof.Perfect for grid applications.
- Product guarantee 10 years.

Quality Assurance

- Electrical Insulation test
- Outdoor exposure test
- Hot-spot endurance test
- UV-exposure
- Thermal cycling test
- Humidity freeze test
- Damp heat Test
- Robustness of terminations test
- Wet leakage current test
- Mechanical load test
- Hail impact test
- Bypass diode thermal test

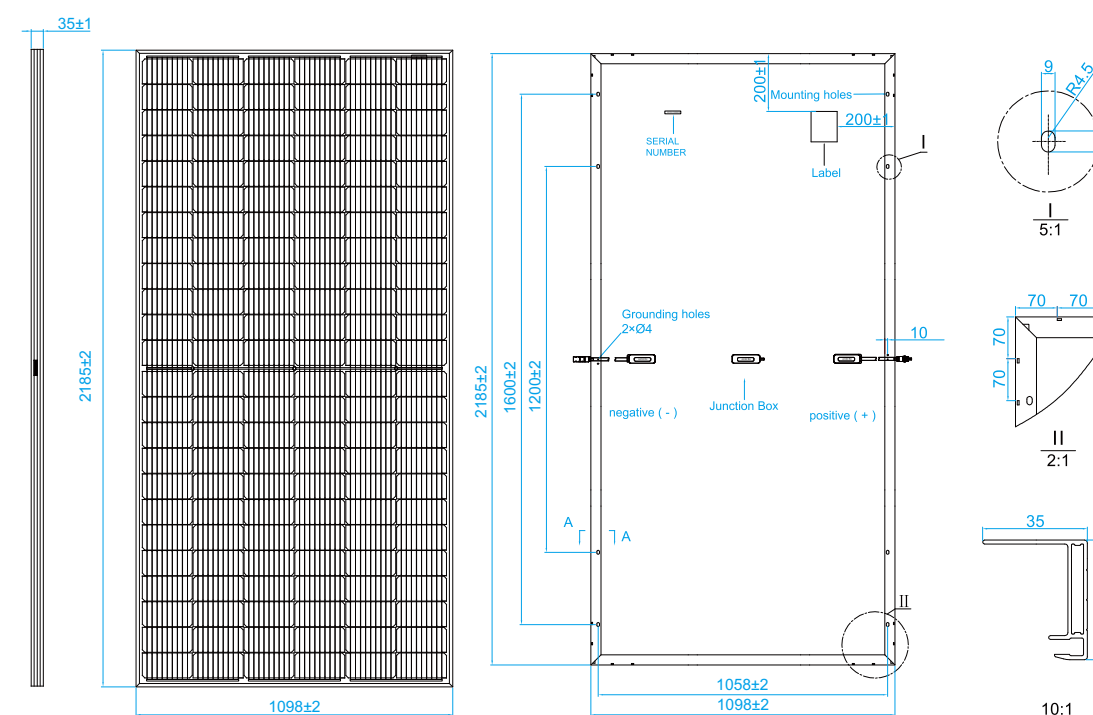
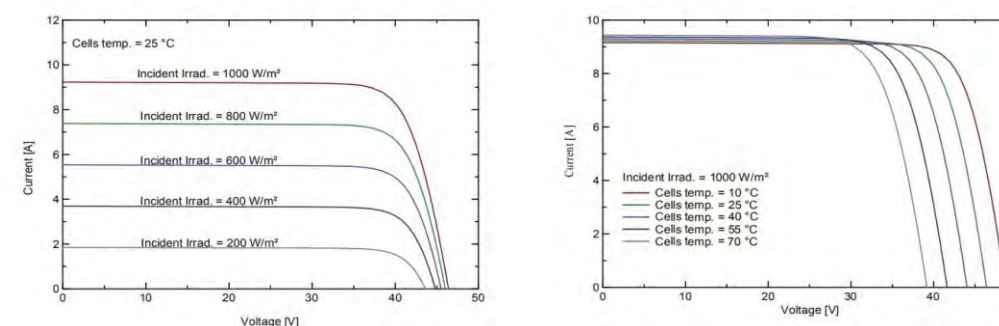
Electric Performance Typical Performance Characteristics

Short Circuit Current Temperature Coefficient	%/°C	0.06
Open Circuit Voltage Temperature Coefficient	%/°C	-0.34
Maximum Power Temperature Coefficient	%/°C	-0.47
Performance Warranty : 90%output , 12 years		
80%output, 25 years		

PRODUCT SPECIFICATION

Type Of Module	NB-480W	NB-490W	NB-500W	NB-510W
Maximum Power (W)	480W	490W	500W	510W
Tolerance (%)	±3%	±3%	±3%	±3%
Open Circuit Voltage (V)	51.05	51.30	51.70	52.10
Short Circuit Current (A)	12.01	12.14	12.28	12.42
Maximum Power Voltage (V)	42.20	42.40	42.80	43.20
Maximum Power Current (A)	11.45	11.56	11.69	11.81
Module Efficiency (%)	20.00	20.42	20.84	21.26
Solar Cell Efficiency (%)	22.60	23.08	23.55	23.90
Series Fuse Rating (A)	20	20	20	20
Terminal Box	IP65			
Maximum system voltage (V)	DC 1500V			
Operating Temperature(℃)	-40℃ --85℃			
Dimension	2185 x 1098 x 35 mm			
Weight	24.5kg/pc			
Packing	2pcs in one carton or 30pcs per pallet			

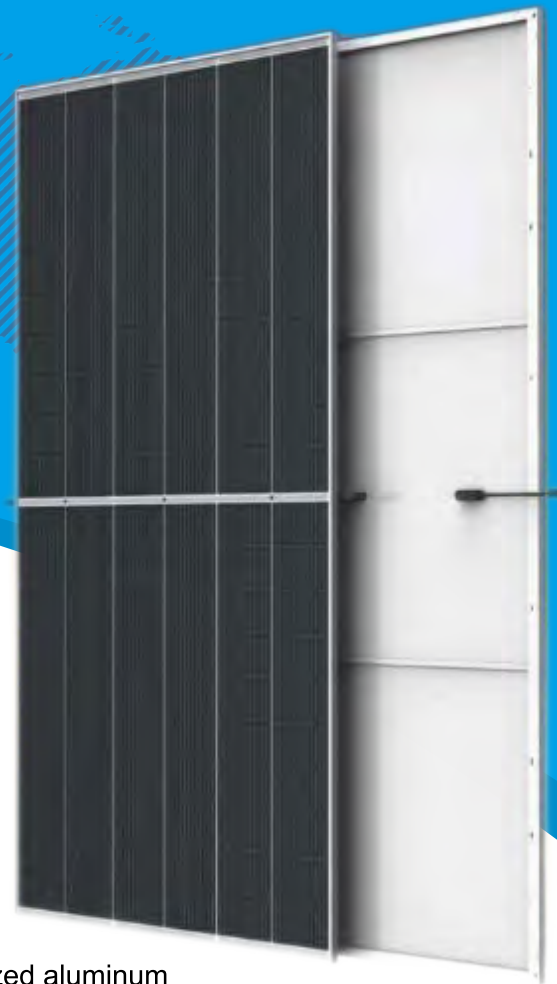
Electrical Characteristics



All dimensions in mm

MONO SOLAR MODULE

210*105 595-610W



PRODUCT FEATURE

- Bypass diode minimizes the power drop by shade.
- White tempered glass ,EVA resin,weather proof film and anodized aluminum frame to provide efficient protection from the severest environmental conditions.
- Waterproof.Perfect for grid applications.
- Product guarantee 10 years.

Quality Assurance

- Electrical Insulation test
- Outdoor exposure test
- Hot-spot endurance test
- UV-exposure
- Thermal cycling test
- Humidity freeze test
- Damp heat Test
- Robustness of terminations test
- Wet leakage current test
- Mechanical load test
- Hail impact test
- Bypass diode thermal test

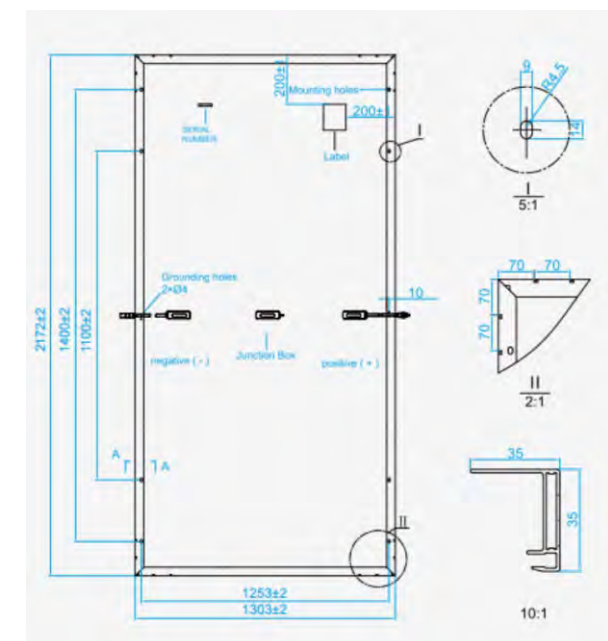
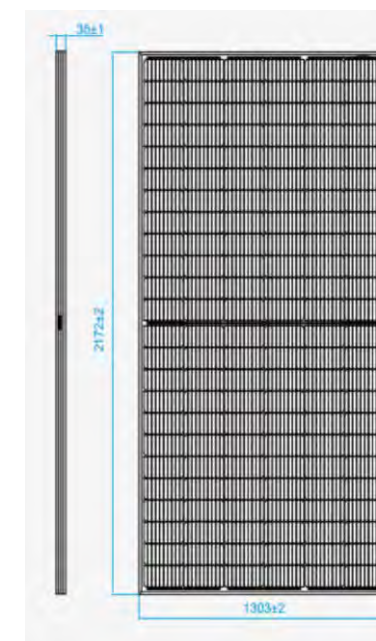
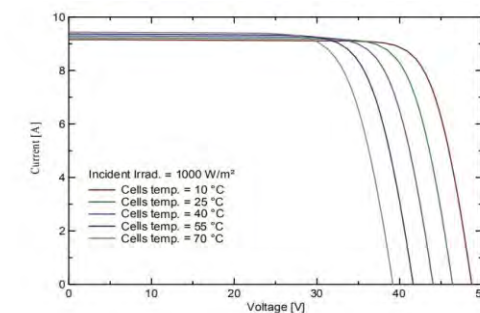
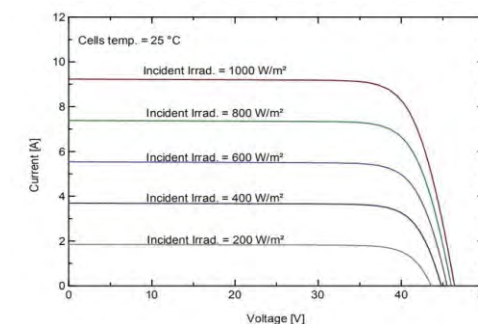
Electric Performance Typical Performance Characteristics

Short Circuit Current Temperature Coefficient	%/°C	0.06
Open Circuit Voltage Temperature Coefficient	%/°C	-0.34
Maximum Power Temperature Coefficient	%/°C	-0.47
Performance Warranty : 90%output , 12 years		
80%output, 25 years		

PRODUCT SPECIFICATION

Type Of Module	NB-595W	NB-600W	NB-605W	NB-610W
Maximum Power (W)	595W	600W	605W	610W
Tolerance (%)	±3%	±3%	±3%	±3%
Open Circuit Voltage (V)	41.30	41.50	41.70	41.90
Short Circuit Current (A)	18.47	18.52	18.57	18.62
Maximum Power Voltage (V)	34.20	34.40	34.60	34.80
Maximum Power Current (A)	17.40	17.45	17.49	17.53
Module Efficiency (%)	21.02	21.20	21.40	21.60
Solar Cell Efficiency (%)	23.75	23.95	24.18	24.40
Series Fuse Rating (A)	30	30	30	30
Terminal Box	IP65			
Maximum system voltage (V)	DC 1500V			
Operating Temperature(°C)	-40°C --85°C			
Dimension	2172 x 1303 x 35 mm			
Weight	31kg/pc			
Packing	2pcs in one carton or 30pcs per pallet			

Electrical Characteristics





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