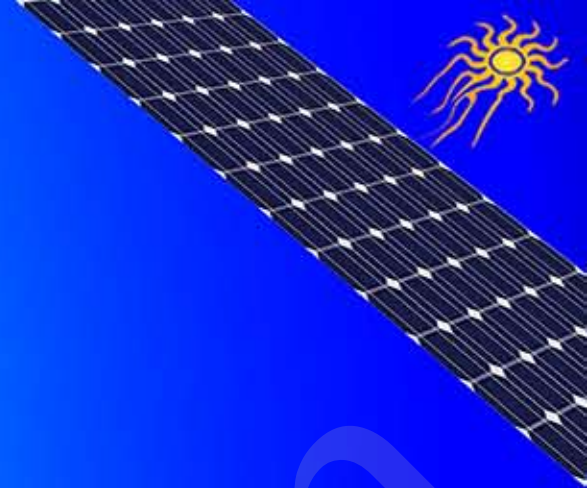
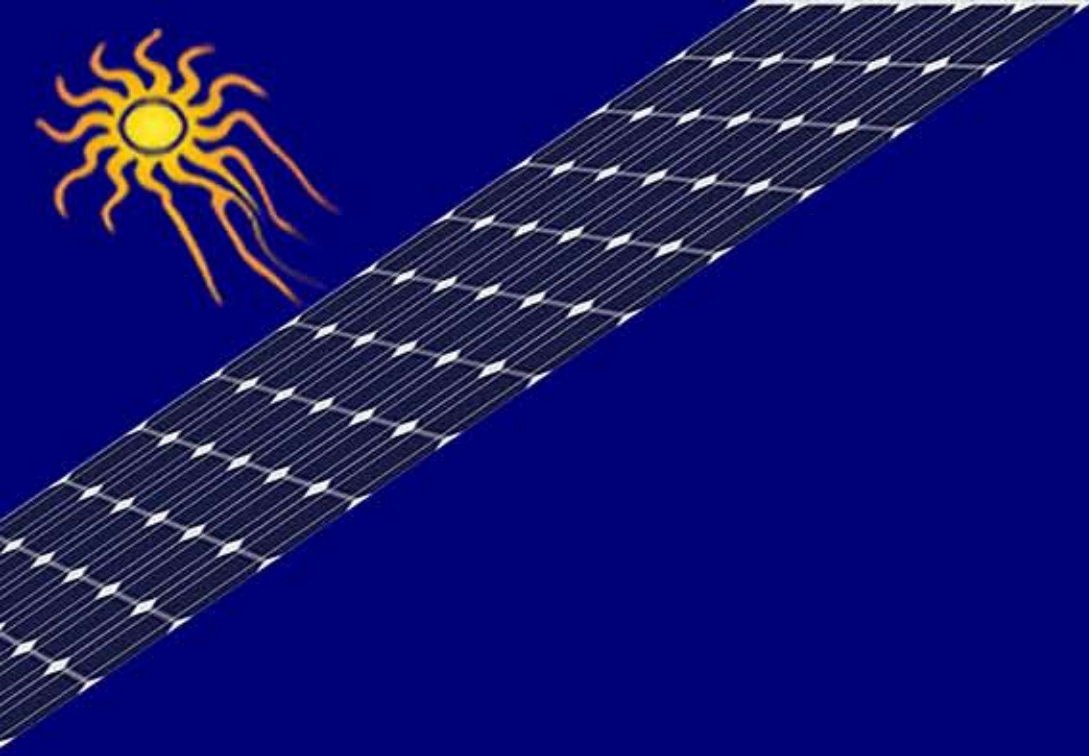




ener4green solar

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ENER4
green
solar

*...development of green energy
to build a wonderful green world.*



ener4green solar

ener4green solar

Profile

Ener4Green Solar Company was established in Ontario Canada to provide high quality solar panels for homeowners and commercial customers seeking to develop solar renewable energy systems. At Ener4Green, we manufacture our products using our low cost manufacturing facility with a keen emphasis on quality. Our manufacturing facility focuses its resources on continuous research and development in order to reduce the cost per watt of each panel. We currently manufacture high quality solar panels, solar modules, photovoltaic (PV) systems, and other solar related products.

Our team of talented technicians has a deep understanding of solar technology and advanced solar product production for the development of solar systems. Our company maintains strict standards to ISO 9001:2000 Quality System and have a "Quality First and Customer First" as the enterprise target.

Ener4Green Solar is devoted to the development of green energy to build a wonderful green world, and will try our best to supply not only the best product, but also excellent service!



<http://ener4green.com>

Production & Technology



Cell selecting



Individual cell soldering



Cell soldering in series



Tying



Module lamination



Cell cutting

Quality Verification

Our products are manufactured specifically for the North American market. Over the years we have expanded our export to customers in other countries such as Europe, South East Asia, Africa, Latin America and the Carribean.



sales@ener4green.com

Poly-crystalline silicon solar modules

Wp(W)	Model	Voc(V)	Isc(A)	Vmp(V)	Imp(A)	Module dimension L*W*H(mm)	Weight(Kg)	Description	Cell dimension L*W(mm)
40	NF40P	16.85	3.38	13.44	2.97	616*667*28	4.5	4*7	78*156
45	NF45P	16.88	3.75	13.53	3.32	616*667*28	4.5	4*7	78*156
50	NF50P	21.78	3.32	17.10	2.92	776*667*28	5.0	4*9	78*156
55	NF55P	21.65	3.63	17.18	3.20	776*667*28	5.0	4*9	78*156
60	NF60P	21.71	3.94	17.15	3.49	776*667*28	5.0	4*9	78*156
65	NF65P	26.55	3.49	21.56	3.01	936*667*28	6.5	4*11	78*156
70	NF70P	26.58	3.76	21.52	3.25	936*667*28	6.5	4*11	78*156
75	NF75P	16.94	6.32	13.32	5.63	1162*667*30	8.0	4*7	156*156
80	NF80P	16.98	6.73	13.45	5.95	1162*667*30	8.0	4*7	156*156
85	NF85P	17.02	7.13	13.55	6.27	1162*667*30	8.0	4*7	156*156
90	NF90P	17.02	7.56	13.62	6.61	1162*667*30	8.0	4*7	156*156
95	NF95P	18.26	7.43	14.56	6.52	848*987*30	10.0	5*6	156*156
100	NF100P	18.25	7.83	14.66	6.82	848*987*30	10.0	5*6	156*156
105	NF105P	18.28	8.20	14.66	7.16	848*987*30	10.0	5*6	156*156
110	NF110P	19.51	8.05	15.25	7.21	1322*669*30	10.5	4*8	156*156
115	NF115P	19.58	8.27	15.27	7.53	1322*669*30	10.5	4*8	156*156
120	NF120P	21.78	7.86	17.58	6.82	1480*669*30	12.0	4*9	156*156
125	NF125P	21.81	7.96	17.62	7.09	1480*669*30	12.0	4*9	156*156
130	NF130P	21.85	8.25	17.62	7.37	1480*669*30	12.0	4*9	156*156
135	NF135P	25.40	7.38	20.45	6.60	1164*987*35	13.5	6*7	156*156
140	NF140P	25.54	7.83	20.46	6.84	1164*987*35	13.5	6*7	156*156
145	NF145P	25.54	7.89	20.48	7.08	1164*987*35	13.5	6*7	156*156
155	NF155P	25.58	8.41	20.52	7.55	1164*987*35	13.5	6*7	156*156
160	NF160P	29.22	7.82	23.45	6.82	1322*987*35	15.5	6*8	156*156
165	NF165P	29.25	7.84	23.51	7.02	1322*987*35	15.5	6*8	156*156
170	NF170P	31.21	7.57	24.23	7.02	1630*840*50	16.5	5*10	156*156
175	NF175P	31.45	7.72	24.35	7.18	1630*840*50	16.5	5*10	156*156
180	NF180P	33.21	7.73	25.98	6.92	1480*990*46	18.0	6*9	156*156
185	NF185P	33.25	7.84	26.02	7.11	1480*990*46	18.0	6*9	156*156
190	NF190P	33.25	7.93	26.22	7.24	1480*990*46	18.0	6*9	156*156
200	NF200P	33.32	8.33	26.31	7.60	1480*990*46	18.0	6*9	156*156
205	NF205P	36.44	7.81	29.52	6.94	1630*990*50	19.0	6*10	156*156
210	NF210P	36.44	8.00	29.48	7.12	1630*990*50	19.0	6*10	156*156
215	NF215P	36.52	8.17	29.56	7.27	1630*990*50	19.0	6*10	156*156
220	NF220P	36.55	8.37	29.55	7.45	1630*990*50	19.0	6*10	156*156

Mono-crystalline silicon solar modules

Wp(W)	Model	Voc(V)	Isc(A)	Vmp(V)	Imp(A)	Module dimension L*W*H(mm)	Weight(Kg)	Description	Cell dimension L*W(mm)
20	NF20M	21.65	1.28	17.54	1.14	443*424*28	2.5	6*6	62.5*62.5
30	NF30M	21.54	1.93	17.28	1.73	644*551*28	4.0	4*9	125*62.5
40	NF40M	21.62	2.56	17.55	2.27	644*551*28	4.0	4*9	125*62.5
50	NF50M	14.54	4.77	11.82	4.23	818*543*30	5.0	4*6	125*125
55	NF55M	14.64	5.08	11.88	4.63	818*543*30	5.0	4*6	125*125
60	NF60M	16.9	4.79	13.56	4.42	945*543*30	5.5	4*7	125*125
65	NF65M	17.05	5.15	13.86	4.69	945*543*30	6.0	4*7	125*125
70	NF70M	19.44	4.86	15.68	4.46	1072*543*30	6.5	4*8	125*125
75	NF75M	21.96	4.62	17.46	4.30	1199*543*30	7.0	4*9	125*125
80	NF80M	21.96	4.92	17.65	4.53	1199*543*30	7.0	4*9	125*125
85	NF85M	21.96	5.23	17.82	4.77	1199*543*30	7.0	4*9	125*125
90	NF90M	22.05	5.51	17.85	5.04	1199*543*30	7.0	4*9	125*125
95	NF95M	26.55	4.84	21.56	4.41	1455*545*35	10.0	4*11	125*125
100	NF100M	29.02	4.65	23.52	4.25	1074*801*35	10.0	6*8	125*125
105	NF105M	29.02	4.88	23.52	4.46	1074*801*35	10.0	6*8	125*125
110	NF110M	29.02	5.11	23.67	4.64	1074*801*35	10.0	6*8	125*125
115	NF115M	32.56	4.77	26.25	4.38	1201*801*35	12.5	6*9	125*125
120	NF120M	32.56	4.98	26.48	4.53	1201*801*35	12.5	6*9	125*125
125	NF125M	36.44	4.63	29.53	4.23	1328*801*35	13	6*10	125*125
130	NF130M	36.44	4.82	29.53	4.40	1328*801*35	13	6*10	125*125
135	NF135M	36.44	5.01	29.55	4.57	1328*801*35	13	6*10	125*125
150	NF150M	42.85	4.93	33.68	4.45	1580*808*45	15.5	6*12	125*125
155	NF155M	42.85	5.09	33.72	4.59	1580*808*45	15.5	6*12	125*125
160	NF160M	42.85	5.26	34.04	4.70	1580*808*45	15.5	6*12	125*125
165	NF165M	42.94	5.41	34.52	4.78	1580*808*45	15.5	6*12	125*125
170	NF170M	43.20	5.54	34.55	4.92	1580*808*45	15.5	6*12	125*125
175	NF175M	43.32	5.69	34.58	5.06	1580*808*45	15.5	6*12	125*125
180	NF180M	46.95	5.40	38.95	4.62	1705*798*50	17.0	6*13	125*125
185	NF185M	46.95	5.55	38.96	4.75	1705*798*50	17.0	6*13	125*125
190	NF190M	46.95	5.69	38.98	4.87	1705*798*50	17.0	6*13	125*125

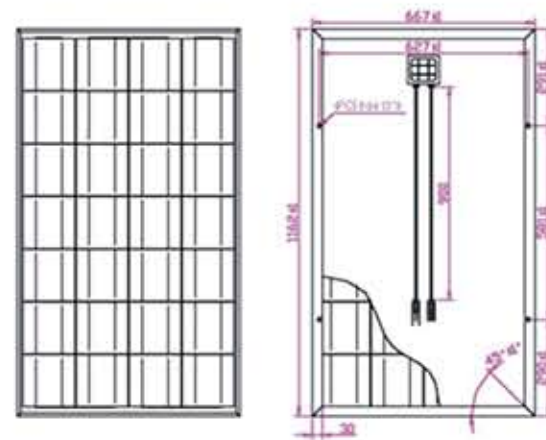
Technical Parameters (Electrical parameters)

Size and Number of cell	156mm*156mm 28 4*7pcs				
Maximum Power(Pmax)	W	75W	80W	85W	90W
Tolerance	±5%				
Open Circuit Voltage(Voc)	V	16.94	16.98	17.02	17.02
Short Circuit Current(Isc)	A	6.32	6.73	7.13	7.56
Maximum Power Voltage(Vmp)	V	13.32	13.45	13.55	13.62
Maximum Power Current(Imp)	A	5.63	5.95	6.27	6.61
Max.syst.Oper.voltage	V	1000V			
Diodes	3by-pass				
Dimension	mm	1162*667*30			
Weight	kg	8.0			
Operate Temp.scope	℃	-40℃/+85℃			
Resistances	227g steel ball fall down from 1m height and 60m/s wind				
Standard test condition:AM1.5,1000w/m²,25℃					

(Features)

- (High-efficient solar cell)
- (High transmissivity low-iron toughened glass)
- (Water resistant junction box)
- (Anodized aluminum frame)

(Mechanical parameters)



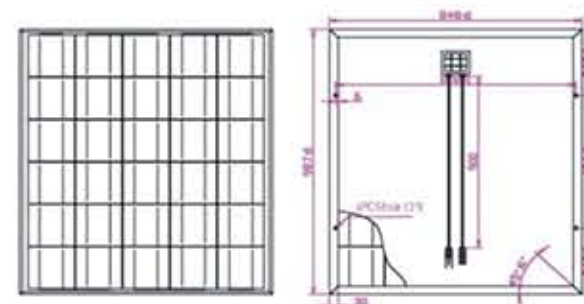
Technical Parameters (Electrical parameters)

Size and Number of cell	156mm*156mm 30 6*5pcs			
Maximum Power(Pmax)	W	95W	100W	105W
Tolerance	±5%			
Open Circuit Voltage(Voc)	V	18.26	18.25	18.28
Short Circuit Current(Isc)	A	7.43	7.83	8.20
Maximum Power Voltage(Vmp)	V	14.56	14.66	14.66
Maximum Power Current(Imp)	A	6.52	6.82	7.16
Max.syst.Oper.voltage	V	1000V		
Diodes	3by-pass			
Dimension	mm	987*848*30		
Weight	kg	10.0		
Operate Temp.scope	℃	-40℃/+85℃		
Resistances	227g steel ball fall down from 1m height and 60m/s wind			
Standard test condition:AM1.5,1000w/m²,25℃				

(Features)

- (High-efficient solar cell)
- (High transmissivity low-iron toughened glass)
- (Water resistant junction box)
- (Anodized aluminum frame)

(Mechanical parameters)



Technical Parameters (Electrical parameters)

Size and Number of cell	156mm*156mm 32 4*8pcs		
Maximum Power(Pmax)	W	110W	115W
Tolerance	±5%		
Open Circuit Voltage(Voc)	V	19.51	19.58
Short Circuit Current(Isc)	A	8.05	8.27
Maximum Power Voltage(Vmp)	V	15.25	15.27
Maximum Power Current(Imp)	A	7.21	7.53
Max.syst. Oper. voltage	V	1000V	
Diodes	3by-pass		
Dimension	mm	1322*669*30	
Weight	kg	10.5	
Operate Temp.scope	℃	-40℃/+85℃	
Resistances	227g steel ball fall down from 1m height and 60m/s wind		
Standard test condition:AM 1.5,1000w/m²,25℃			

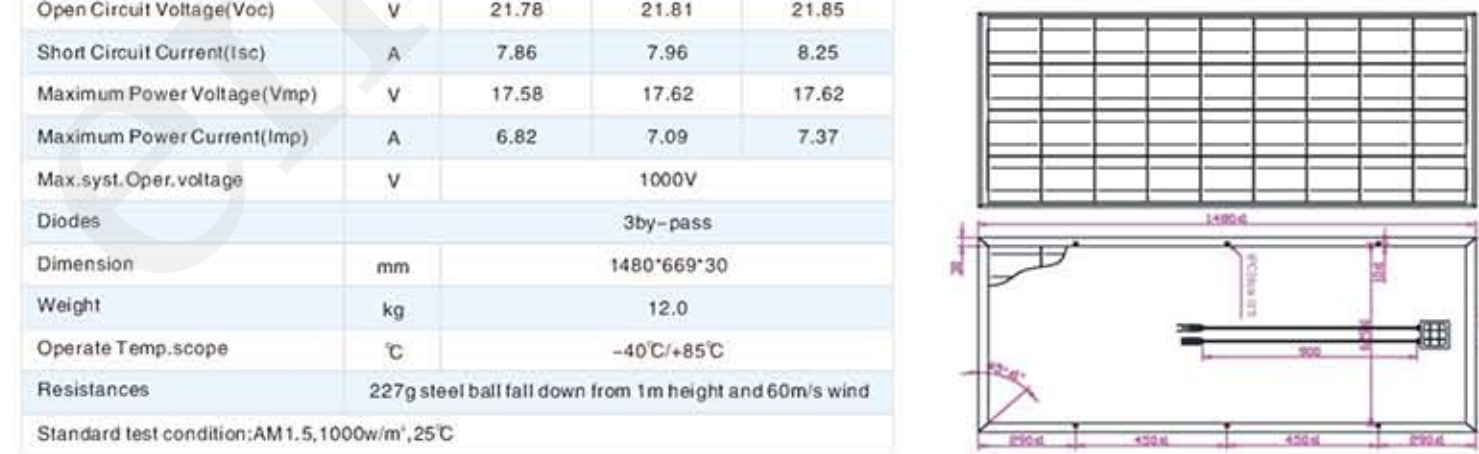
Technical Parameters (Electrical parameters)

Size and Number of cell	156mm*156mm 36 4*9pcs			
Maximum Power(Pmax)	W	120W	125W	130W
Tolerance	± 5%			
Open Circuit Voltage(Voc)	V	21.78	21.81	21.85
Short Circuit Current(Isc)	A	7.86	7.96	8.25
Maximum Power Voltage(Vmp)	V	17.58	17.62	17.62
Maximum Power Current(Imp)	A	6.82	7.09	7.37
Max.syst. Oper. voltage	V	1000V		
Diodes	3by-pass			
Dimension	mm	1480*669*30		
Weight	kg	12.0		
Operate Temp.scope	℃	-40℃/+85℃		
Resistances	227g steel ball fall down from 1m height and 60m/s wind			
Standard test condition:AM1.5,1000w/m²,25℃				

(Features)

- (High-efficient solar cell)
- (High transmissivity low-iron toughened glass)
- (Water resistant junction box)
- (Anodized aluminum frame)

(Mechanical parameters)



Technical Parameters

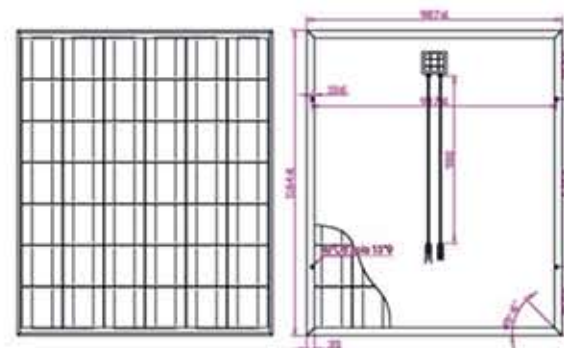
(Electrical parameters)

Size and Number of cell	156mm*156mm 42 6*7pcs				
Maximum Power(Pmax)	W	135W	140W	145W	155W
Tolerance	±5%				
Open Circuit Voltage(Voc)	V	25.40	25.54	25.54	25.58
Short Circuit Current(Isc)	A	7.38	7.83	7.89	8.41
Maximum Power Voltage(Vmp)	V	20.45	20.46	20.48	20.52
Maximum Power Current(Imp)	A	6.60	6.84	7.08	7.55
Max.syst.Oper.voltage	V	1000V			
Diodes	3by-pass				
Dimension	mm	1164*987*35			
Weight	kg	13.5			
Operate Temp.scope	℃	-40℃/+85℃			
Resistances	227g steel ball fall down from 1m height and 60m/s wind				
Standard test condition:AM1.5,1000w/m²,25℃					

(Features)

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- (High transmissivity low-iron toughened glass)
- (Water resistant junction box)
- (Anodized aluminum frame)

(Mechanical parameters)



Technical Parameters

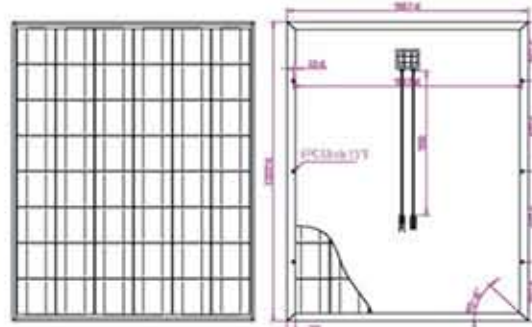
(Electrical parameters)

Size and Number of cell	156mm*156mm 48 6*8pcs		
Maximum Power(Pmax)	W	160W	165W
Tolerance	± 5%		
Open Circuit Voltage(Voc)	V	29.22	29.25
Short Circuit Current(Isc)	A	7.82	7.84
Maximum Power Voltage(Vmp)	V	23.45	23.51
Maximum Power Current(Imp)	A	6.82	7.02
Max.syst.Oper.voltage	V	1000V	
Diodes	3by-pass		
Dimension	mm	1322*987*35	
Weight	kg	15.5	
Operate Temp.scope	℃	-40℃/+85℃	
Resistances	227g steel ball fall down from 1m height and 60m/s wind		
Standard test condition:AM1.5,1000w/m²,25℃			

(Features)

- (High-efficient solar cell)
- (High transmissivity low-iron toughened glass)
- (Water resistant junction box)
- (Anodized aluminum frame)

(Mechanical parameters)



Technical Parameters

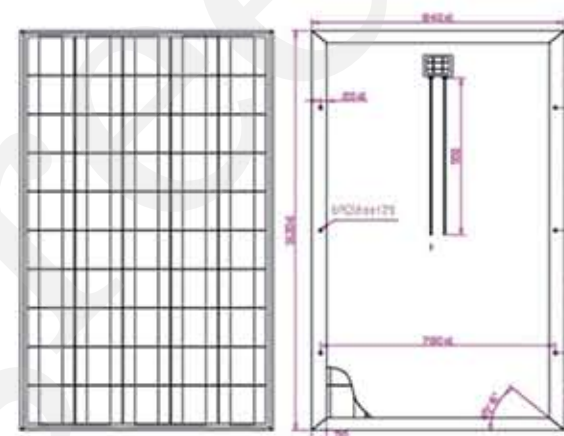
(Electrical parameters)

Size and Number of cell	156mm*156mm 50 5*10pcs		
Maximum Power(Pmax)	W	170W	175W
Tolerance	± 5%		
Open Circuit Voltage(Voc)	V	31.25	31.45
Short Circuit Current(Isc)	A	7.57	7.72
Maximum Power Voltage(Vmp)	V	24.23	24.35
Maximum Power Current(Imp)	A	7.02	7.18
Max.syst. Oper. voltage	V	1000V	
Diodes	3by-pass		
Dimension	mm	1630*840*50	
Weight	kg	16.5	
Operate Temp.scope	℃	-40℃/+85℃	
Resistances	227g steel ball fall down from 1m height and 60m/s wind		
Standard test condition:AM1.5,1000w/m²,25℃			

(Features)

- (High-efficient solar cell)
- (High transmissivity low-iron toughened glass)
- (Water resistant junction box)
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(Mechanical parameters)



Technical Parameters

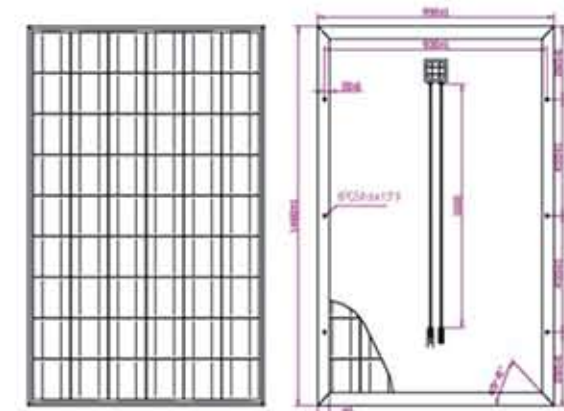
(Electrical parameters)

Size and Number of cell	156mm*156mm 54 6*9pcs				
Maximum Power(Pmax)	W	180W	185W	190W	200W
Tolerance	± 5%				
Open Circuit Voltage(Voc)	V	33.21	33.25	33.25	33.32
Short Circuit Current(Isc)	A	7.73	7.84	7.93	8.33
Maximum Power Voltage(Vmp)	V	25.98	26.02	26.22	26.31
Maximum Power Current(Imp)	A	6.92	7.11	7.24	7.60
Max.syst. Oper.voltage	V	1000V			
Diodes	3by-pass				
Dimension	mm	1480*990*46			
Weight	kg	18.0			
Operate Temp.scope	℃	-40℃/+85℃			
Resistances	227g steel ball fall down from 1m height and 60m/s wind				
Standard test condition:AM1.5,1000w/m², 25℃					

(Features)

- (High-efficient solar cell)
- (High transmissivity low-iron toughened glass)
- (Water resistant junction box)
- (Anodized aluminum frame)

(Mechanical parameters)



Technical Parameters

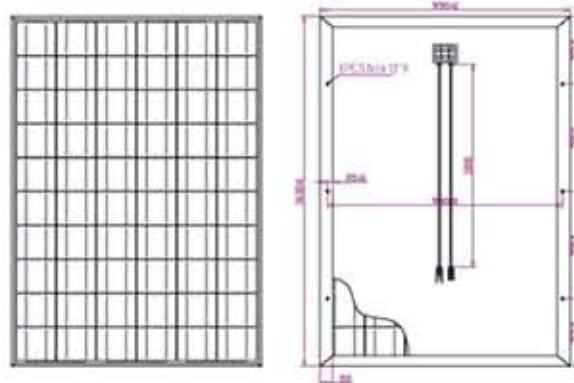
(Electrical parameters)

Size and Number of cell	156mm*156mm 60 6*10pcs				
Maximum Power(Pmax)	W	205W	210W	215W	220W
Tolerance	±5%				
Open Circuit Voltage(Voc)	V	36.44	36.44	36.52	36.55
Short Circuit Current(Isc)	A	7.81	8.00	8.17	8.37
Maximum Power Voltage(Vmp)	V	29.52	29.48	29.56	29.55
Maximum Power Current(Imp)	A	6.94	7.12	7.27	7.45
Max.syst.Oper.voltage	V	1000V			
Diodes	3by-pass				
Dimension	mm	1630*990*50			
Weight	kg	19.0			
Operate Temp.scope	℃	-40℃/+85℃			
Resistances	227g steel ball fall down from 1m height and 60m/s wind				
Standard test condition:AM1.5,1000w/m²,25℃					

(Features)

- (High-efficient solar cell)
- (High transmissivity low-iron toughened glass)
- (Water resistant junction box)
- (Anodized aluminum frame)

(Mechanical parameters)



Technical Parameters

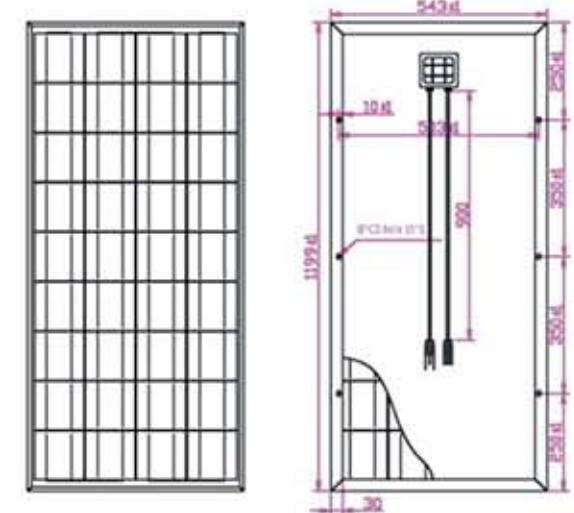
(Electrical parameters)

Size and Number of cell	125mm*125mm 36 4*9pcs				
Maximum Power(Pmax)	W	75W	80W	85W	90W
Tolerance	±5%				
Open Circuit Voltage(Voc)	V	21.96	21.96	21.96	22.05
Short Circuit Current(Isc)	A	4.62	4.92	5.23	5.51
Maximum Power Voltage(Vmp)	V	17.46	17.65	17.82	17.85
Maximum Power Current(Imp)	A	4.30	4.53	4.77	5.04
Max.syst.Oper.voltage	V	1000V			
Diodes	3by-pass				
Dimension	mm	1199*543*30			
Weight	kg	7.0			
Operate Temp.scope	℃	-40℃/+85℃			
Resistances	227g steel ball fall down from 1m height and 60m/s wind				
Standard test condition:AM1.5,1000w/m²,25℃					

(Features)

- (High-efficient solar cell)
- (High transmissivity low-iron toughened glass)
- (Water resistant junction box)
- (Anodized aluminum frame)

(Mechanical parameters)



Technical Parameters

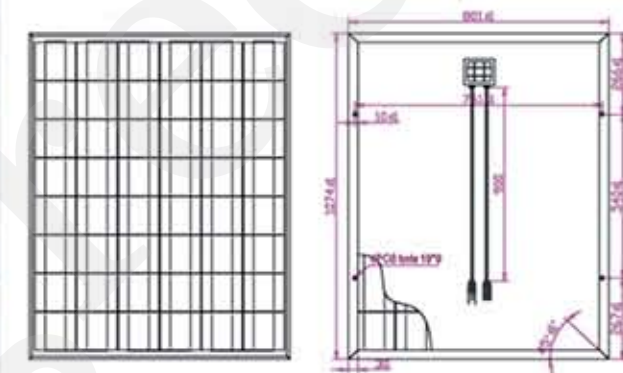
(Electrical parameters)

Size and Number of cell	125mm*125mm 48 6*8pcs			
Maximum Power(Pmax)	W	100W	105W	110W
Tolerance	±5%			
Open Circuit Voltage(Voc)	V	29.02	29.02	29.2
Short Circuit Current(Isc)	A	4.65	4.88	5.11
Maximum Power Voltage(Vmp)	V	23.52	23.52	23.67
Maximum Power Current(Imp)	A	4.25	4.46	4.64
Max.syst. Oper. voltage	V	1000V		
Diodes	3by-pass			
Dimension	mm	1074*801*35		
Weight	kg	16.5		
Operate Temp.scope	℃	-40℃/+85℃		
Resistances	227g steel ball fall down from 1m height and 60m/s wind			
Standard test condition:AM1.5,1000w/m²,25℃				

(Features)

- (High-efficient solar cell)
- (High transmissivity low-iron toughened glass)
- (Water resistant junction box)
- (Anodized aluminum frame)

(Mechanical parameters)



Technical Parameters

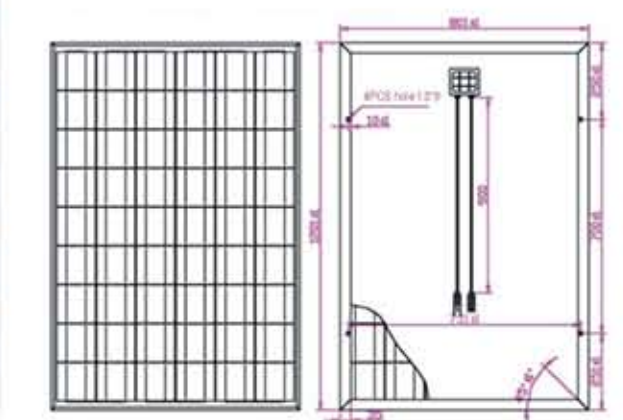
(Electrical parameters)

Size and Number of cell	125mm*125mm 54 6*9pcs		
Maximum Power(Pmax)	W	115W	120W
Tolerance	±5%		
Open Circuit Voltage(Voc)	V	32.56	32.56
Short Circuit Current(Isc)	A	4.77	4.98
Maximum Power Voltage(Vmp)	V	26.25	26.48
Maximum Power Current(Imp)	A	4.38	4.53
Max.syst. Oper. voltage	V	1000V	
Diodes	3by-pass		
Dimension	mm	1201*801*35	
Weight	kg	12.5	
Operate Temp.scope	℃	-40℃/+85℃	
Resistances	227g steel ball fall down from 1m height and 60m/s wind		
Standard test condition:AM1.5,1000w/m²,25℃			

(Features)

- (High-efficient solar cell)
- (High transmissivity low-iron toughened glass)
- (Water resistant junction box)
- (Anodized aluminum frame)

(Mechanical parameters)



Technical Parameters

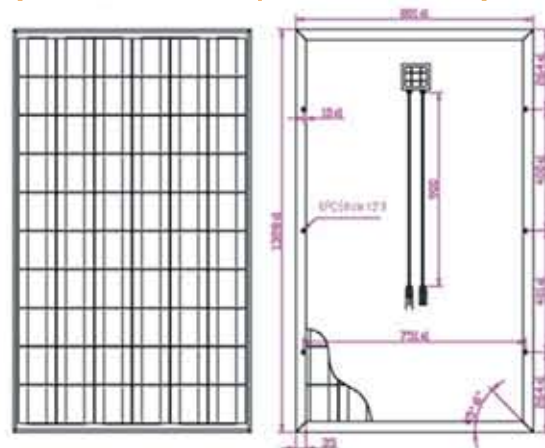
(Electrical parameters)

Size and Number of cell	125mm*125mm 60 6*10pcs			
Maximum Power(Pmax)	W	125W	130W	135W
Tolerance	± 5%			
Open Circuit Voltage(Voc)	V	36.44	36.44	36.44
Short Circuit Current(Isc)	A	4.63	4.82	5.01
Maximum Power Voltage(Vmp)	V	29.53	29.53	29.55
Maximum Power Current(Imp)	A	4.23	4.40	4.57
Max.syst.Oper.voltage	V	1000V		
Diodes	3by-pass			
Dimension	mm	1328*801*35		
Weight	kg	13.0		
Operate Temp.scope	℃	-40℃/+85℃		
Resistances	227g steel ball fall down from 1m height and 60m/s wind			
Standard test condition:AM1.5,1000w/m²,25℃				

(Features)

- (High-efficient solar cell)
- (High transmissivity low-iron toughened glass)
- (Water resistant junction box)
- (Anodized aluminum frame)

(Mechanical parameters)



Technical Parameters

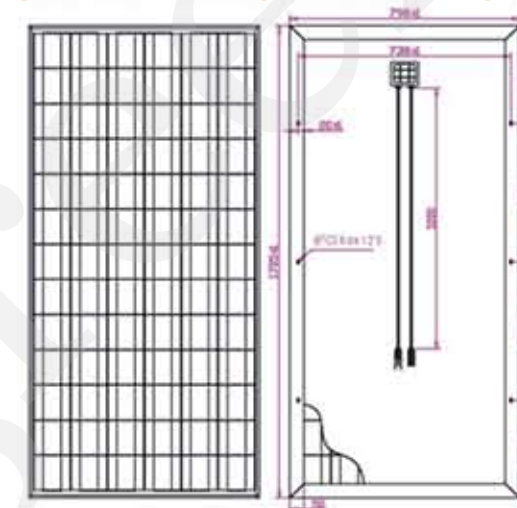
(Electrical parameters)

Size and Number of cell	125mm*125mm 78 6*13pcs			
Maximum Power(Pmax)	W	180W	185W	190W
Tolerance	± 5%			
Open Circuit Voltage(Voc)	V	46.95	46.95	46.95
Short Circuit Current(Isc)	A	5.40	5.55	5.69
Maximum Power Voltage(Vmp)	V	38.95	38.96	38.98
Maximum Power Current(Imp)	A	4.62	4.75	4.87
Max.syst. Oper. voltage	V	1000V		
Diodes	3by-pass			
Dimension	mm	1705*798*50		
Weight	kg	17.0		
Operate Temp.scope	℃	-40℃/+85℃		
Resistances	227g steel ball fall down from 1m height and 60m/s wind			
Standard test condition:AM 1.5,1000w/m²,25℃				

(Features)

- (High-efficient solar cell)
- (High transmissivity low-iron toughened glass)
- (Water resistant junction box)
- (Anodized aluminum frame)

(Mechanical parameters)



Technical Parameters

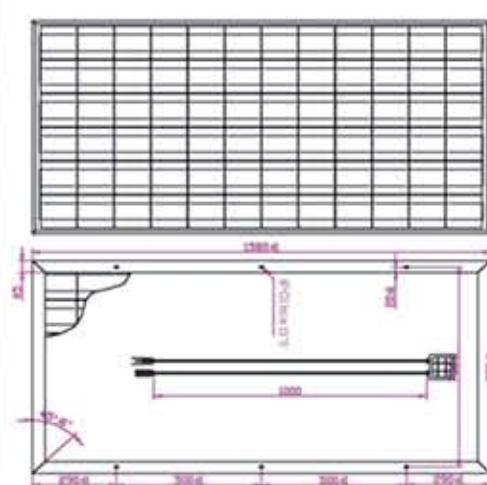
(Electrical parameters)

Size and Number of cell	125mm*125mm 72 6*12pcs						
Maximum Power(Pmax)	W	150W	155W	160W	165W	170W	175W
Tolerance	± 5%						
Open Circuit Voltage(Voc)	V	42.85	42.85	42.85	42.94	43.20	43.32
Short Circuit Current(Isc)	A	4.93	5.09	5.26	5.41	5.54	5.69
Maximum Power Voltage(Vmp)	V	33.68	33.72	34.04	34.52	34.55	34.58
Maximum Power Current(Imp)	A	4.45	4.59	4.70	4.78	4.92	5.06
Max.syst.Oper.voltage	V	1000V					
Diodes	3by-pass						
Dimension	mm	1580*808*45					
Weight	kg	15.5					
Operate Temp.scope	℃	-40℃/+85℃					
Resistances	227g steel ball fall down from 1m height and 60m/s wind						
Standard test condition:AM1.5,1000w/m²,25℃							

(Features)

- (High-efficient solar cell)
- (High transmissivity low-iron toughened glass)
- (Water resistant junction box)
- (Anodized aluminum frame)

(Mechanical parameters)



WARRANTY

The quality assurance time of the PV module is two years.

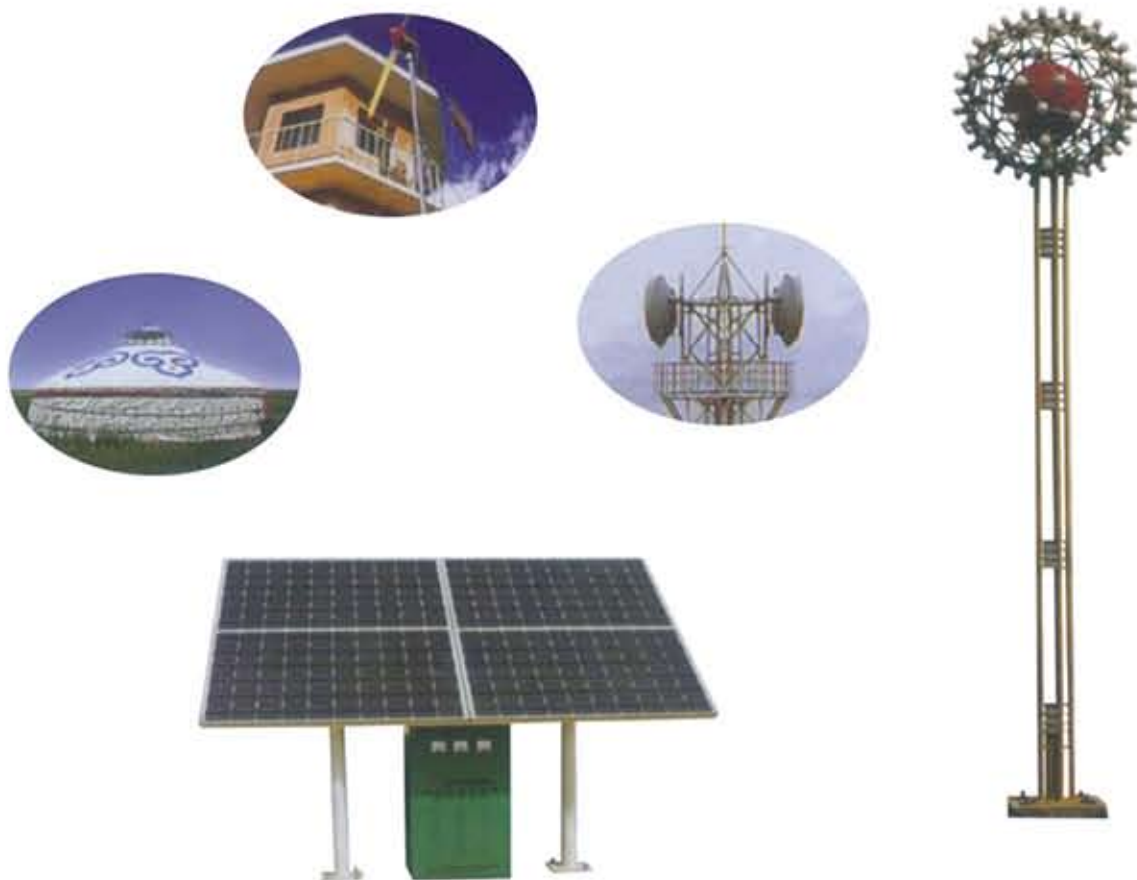
The power declines not exceed 10% in ten years and 20% in twenty-five years.

APPLICATIONS:

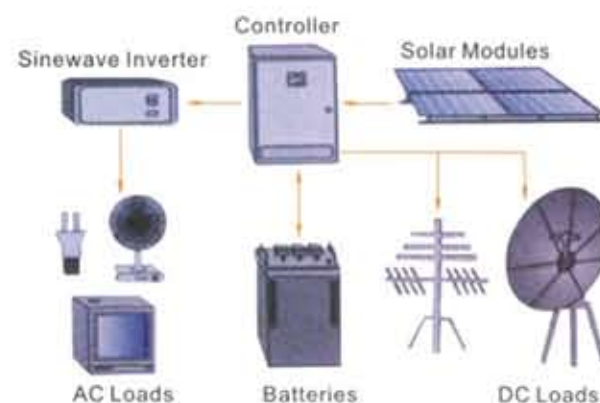
- PV system for private residences
- Power station
- Telecommunication
- Rural electrification
- Traffic signaling
- Solar street light / Solar courtyard light /Solar lawn lamp
- Solar camping light

SOLAR POWER SYSTEM

Solar power system is one kind of isolated power supply systems, which can be used as electrical power sources in fields of family, telecommunication, borders defense post and scenery light etc.



System parts	
Solar module	1000W
Batteries	48V 500-800Ah
Controller	1000W 48V protection against over-charge and discharge
Sinewave inverter	1000W 220VAC 50Hz
Power supply each day in average	3~4Kwh



SOLAR STREET LIGHT

Pole: 7-10 meters (steel with zinc-plated and plastic plated die-casting Aluminum lampshade)
 Solar panel: 100-200W mono/poly crystalline solar panel
 (life: more than 20 years)
 Light source: LED 45-90W/Energy-saving lamp 35-55W/LVD 23-40W
 Controller: SHT-8A2 solar controller; light control/time control/battery protect
 Battery: Acid-lead/gel 150-200AH maintenance-free battery
 Work time: 8-10 hours per day, last 3-5 days rainy day
 Work condition: Temp: -20°C - 65°C, wind resistance $\geq 140\text{km/h}$



SOLAR WIND HYBRID STREET LIGHT

Mono/poly crystalline solar panel (life: more than 20 years)
 High-efficiency wind generator
 Maintenance-free lead-acid battery/Gel battery
 Light source: LED /Energy-saving lamp /LVD
 Micro-chip solar&wind energy controller
 Pole: Zinc-plated and plastic plated
 Work condition: Temp: -35°C - 70°C, wind resistance $\geq 150\text{km/h}$



SOLAR COURTYARD LIGHT

Pole: 3-3.5 meters (seamless steel/stainless steel, high quality plastic plated)
 Solar panel: 20-60W mono/poly crystalline solar panel
 (life: more than 20 years)
 Light source: LED 5-9W/Energy-saving lamp 5-9W
 Controller: SHT-8A2 solar controller; light control/time control/battery protect
 Battery: Acid-lead/gel 20-65AH maintenance-free battery
 Work time: 8-10 hours per day, last 5-7 days rainy day
 Work condition: Temp: -20°C - 65°C, wind resistance $\geq 140\text{km/h}$



SOLAR LAWN LAMP

Mono/poly crystalline solar panel
 High efficiency battery
 Microchip lawn lamp controller
 NOTE: The deploy based on customer's request which according to the different average sunshine time in installation site.



NF-100

NF-822



NF-430

NF-112

NF-220

NF-111

SOLAR CAMPING LAMP



NF-1002U-2



NF-1003U-2

Item	Battery	Lamp	Solar panel	Charging Time	Working time
NF-1002U-2 NF-1003U-2	6V 4Ah Lead Acid Battery	5W U-Tube	3W	2-3days	6-8hours
		7W U-Tube	3W		5-7hours
		9W U-Tube	3W		4-6hours
	6V 4Ah Lead Acid Battery	5W U-Tube	5W	1-2days	6-8hours
		7W U-Tube	5W		5-7hours
		9W U-Tube	5W		4-6hours



NF-1002LA-2



NF-1003LA-2

Item	Battery	Lamp	Solar panel	Charging Time	Working time
NF-1002LA-2 NF-1003LA-2	6V 4Ah Lead Acid Battery	16PCS LED	3W	2-3days	15-18hours
		24PCS LED	3W		12-15hours
		32PCS LED	3W		9-12hours
	6V 4Ah Lead Acid Battery	16PCS LED	5W	1-2days	15-18hours
		24PCS LED	5W		12-15hours
		32PCS LED	5W		9-12hours

Item	Battery	Lamp	Solar panel	Charging Time	Working time
NF-1001	3.6V 800MAH NI-CD Battery	12pcs LED	2W	1day	more than 5 hours



NF-1001

SOLAR CAMPING LAMP

Item	Battery	Lamp	Solar panel	Charging Time	Working time
NF-3001-B	3.6V 1200MAH NI-MH Battery	12pcs LED	2W	1day	6-8hours
	3.6V 1500MAH NI-MH Battery	12pcs LED	2W	1day	7-9hours



NF-3001-B

Item	Battery	Lamp	Solar panel	Charging Time	Working time
NF-002	6V 2.5Ah Lead Acid Battery	32pcs LED	2W	1-2day	8-10 hours



NF-002



SOLAR BAG



SOLAR FLASHLIGHT
NF-884
10PCS LED
BATTERY:3.6V 600MAH
WORKING TIME:4Hours



NF-810
7PCS LED
BATTERY:4.2V 70MAH



SOLAR CHARGER FOR MOBILE PHONE



NF-883
6PCS LED
BATTERY:4.2V 900MAH