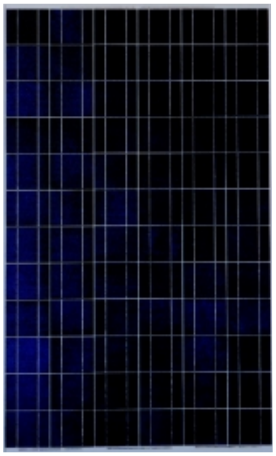
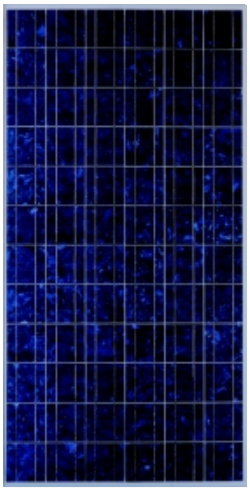
Solar Panel



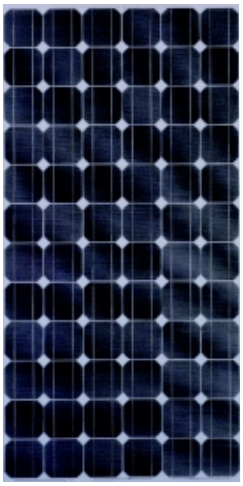
Model		AT-200-72	AT-210-72	AT-220-72
Max Output Power	Pm(W)	200	210	220
Tolerance	± (%)	5	5	5
Max Power Voltage	Vpm(V)	34.2	34.5	34.9
Max Power Current	Ipm(A)	5.85	6.09	6.31
Operating Circuit Voltage	Voc(V)	43.2	43.6	44.2
Short Circuit Current	Isc(A)	6.52	6.69	6.82
Max System Voltage	(VDC)		1000	
Cell Efficiency	(%)	13.7	14.38	15.06
Module Efficiency	(%)	12.44	13.06	13.68
Cells Quantity & Connect Method	72pcs poly cells (6 x 12)			
Module Size	1637mm x 982mm x 46mm			



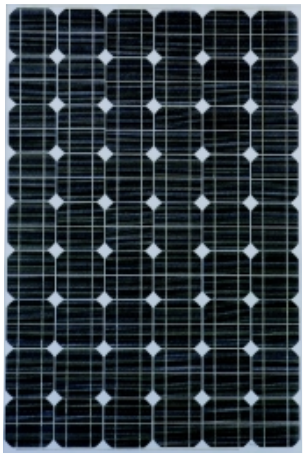
Model		AT-160-72	AT-170-72	AT-180-72
Max Output Power	Pm(W)	160	170	180
Tolerance	± (%)	5	5	5
Max Power Voltage	Vpm(V)	34.2	34.5	34.9
Max Power Current	Ipm(A)	4.68	4.93	5.16
Operating Circuit Voltage	Voc(V)	43.2	43.6	44.2
Short Circuit Current	Isc(A)	5.22	5.42	5.58
Max System Voltage	(VDC)		1000	
Cell Efficiency	(%)	14.22	15.11	16.01
Module Efficiency	(%)	12.53	13.32	14.09
Cells Quantity & Connect Method	72pcs poly cells (6 x 12)			
Module Size	1580mm x 808mm x 46mm			

Model		AT-120-36	AT-130-36	AT-140-36
Max Output Power	Pm(W)	120	130	140
Tolerance	± (%)	5	5	5
Max Power Voltage	Vpm(V)	17.2	17.4	17.6
Max Power Current	Ipm(A)	6.97	7.47	7.95
Operating Circuit Voltage	Voc(V)	21.6	21.8	22.1
Short Circuit Current	Isc(A)	7.82	8.82	8.56
Max System Voltage	(VDC)		1000	
Cell Efficiency	(%)	13.71	14.84	15.97
Module Efficiency	(%)	12.34	13.37	14.39
Cells Quantity & Connect Method	36pcs poly cells (4 x 9)			
Module Size	1445mm x 673mm x 40mm			

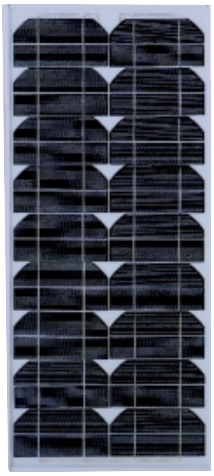
Model		AT-100-36	AT-110-36	AT-120-36
Max Output Power	Pm(W)	100	110	120
Tolerance	± (%)	5	5	5
Max Power Voltage	Vpm(V)	16.92	17.2	17.4
Max Power Current	Ipm(A)	5.91	6.39	6.89
Operating Circuit Voltage	Voc(V)	21.2	21.8	22.1
Short Circuit Current	Isc(A)	6.74	7.01	7.44
Max System Voltage	(VDC)		1000	
Cell Efficiency	(%)	13.19	14.51	15.26
Module Efficiency	(%)	11.33	12.44	13.57
Cells Quantity & Connect Method	36pcs poly cells (4 x 9)			
Module Size	1314mm x 673mm x 40mm			



Model		AT-160-72	AT-170-72	AT-180-72
Max Output Power	Pm(W)	160	170	180
Tolerance	± (%)	5	5	5
Max Power Voltage	Vpm(V)	34.2	34.5	34.9
Max Power Current	Ipm(A)	4.68	4.93	5.16
Operating Circuit Voltage	Voc(V)	43.2	43.6	44.2
Short Circuit Current	Isc(A)	5.22	5.42	5.58
Max System Voltage	(VDC)		1000	
Cell Efficiency	(%)	14.95	15.88	16.81
Module Efficiency	(%)	12.53	13.32	14.09
Cells Quantity & Connect Method	72pcs poly cells (6 x 12)			
Module Size	1580mm x 808mm x 46mm			



Model		AT-110-108	AT-120-108	AT-130-108
Max Output Power	Pm(W)	110	120	130
Tolerance	± (%)	5	5	5
Max Power Voltage	Vpm(V)	17.02	17.14	17.26
Max Power Current	Ipm(A)	6.46	7.01	7.53
Operating Circuit Voltage	Voc(V)	21.4	21.6	21.8
Short Circuit Current	Isc(A)	7.34	7.82	8.28
Max System Voltage	(VDC)		1000	
Cell Efficiency	(%)	13.7	14.94	16.19
Module Efficiency	(%)	11.39	12.42	13.46
Cells Quantity & Connect Method	108pcs poly cells (6 x 18)			
Module Size	1195mm x 808mm x 46mm			



Model		AT-15-36	AT-18-36	AT-20-36
Max Output Power	Pm(W)	15	18	20
Tolerance	± (%)	5	5	5
Max Power Voltage	Vpm(V)	17.2	17.4	17.6
Max Power Current	Ipm(A)	0.87	1.03	1.14
Operating Circuit Voltage	Voc(V)	21.6	21.8	22.1
Short Circuit Current	Isc(A)	0.99	1.16	1.26
Max System Voltage	(VDC)		1000	
Cell Efficiency	(%)	12.49	13.9	15.33
Module Efficiency	(%)	8.7	10.52	11.69
Cells Quantity & Connect Method	36pcs mono cells (2 x 18)			
Module Size	624mm x 274mm x 28mm			

Model		AT-18-36	AT-20-36	AT-22-36
Max Output Power	Pm(W)	18	20	22
Tolerance	± (%)	5	5	5
Max Power Voltage	Vpm(V)	17.1	17.2	17.4
Max Power Current	Ipm(A)	1.05	1.16	1.26
Operating Circuit Voltage	Voc(V)	21.4	21.6	21.8
Short Circuit Current	Isc(A)	1.21	1.37	1.42
Max System Voltage	(VDC)		1000	
Cell Efficiency	(%)	13.35	14.83	16.32
Module Efficiency	(%)	10.09	11.22	12.34
Cells Quantity & Connect Method	36pcs poly cells (2 x 18)			
Module Size	505mm x 353mm x 28mm			

Model		AT-10-36	AT-11-36	AT-12-36
Max Output Power	Pm(W)	10	11	12
Tolerance	± (%)	5	5	5
Max Power Voltage	Vpm(V)	17.1	17.2	17.4
Max Power Current	Ipm(A)	0.58	0.64	0.69
Operating Circuit Voltage	Voc(V)	21.4	21.6	21.8
Short Circuit Current	Isc(A)	0.67	0.73	0.77
Max System Voltage	(VDC)		1000	
Cell Efficiency	(%)	12.71	13.9	15.26
Module Efficiency	(%)	9.5	10.45	11.4
Cells Quantity & Connect Method	36pcs poly cells (4 x 12)			
Module Size	394mm x 297mm x 28mm			

Specification List

Model	Max Output Power Pm(W)	Max Power Voltage Vpm(V)	Max Power Current Lpm(A)	Operating Circuit Voltage Voc(V)	Short Circuit Current Lsc(A)	Module Size (mm)
AT-220-72	220	34.9	6.31	44.2	6.82	1637 x 982 x 46
AT-210-72	210	24.5	6.09	43.6	6.69	1637 x 982 x 46
AT-200-72	200	34.2	5.85	43.2	6.52	1637 x 982 x 46
AT-180-72	180	34.9	5.16	44.2	5.58	1580 x 808 x 46
AT-170-72	170	34.5	4.93	43.6	5.42	1580 x 808 x 46
AT-160-72	160	34.2	4.68	43.2	5.22	1580 x 808 x 46
AT-140-72	140	17.6	7.95	22.1	8.56	1445 x 673 x 40
AT-130-72	130	17.4	7.47	21.8	8.82	1445 x 673 x 40
AT-130-108	130	17.26	7.53	21.8	7.28	1195 x 808 x 46
AT-120-36	120	17.4	6.89	22.1	7.44	1314 x 673 x 40
AT-120-72	120	17.2	6.97	21.6	7.82	1445 x 673 x 40
AT-120-108	120	17.14	7.01	21.6	7.82	1195 x 808 x 46
AT-110-36	110	17.2	6.39	21.8	7.01	1314 x 673 x 40
AT-110-36	110	17.4	5.16	22.1	6.91	1166 x 673 x 40
AT-110-108	110	17.02	6.46	21.4	7.34	1195 x 808 x 46
AT-100-36	100	16.92	6.91	21.2	6.74	1314 x 673 x 40
AT-100-36	100	17.2	5.81	21.8	6.37	1166 x 673 x 40
AT-90-36	90	17.02	5.29	21.4	6.01	1166 x 673 x 40
AT-85-36	85	17.4	4.89	22.1	5.26	1175 x 527 x 35
AT-75-36	75	17.2	4.36	21.8	4.78	1175 x 527 x 35
AT-65-36	65	17.1	3.8	21.6	4.24	1175 x 527 x 35
AT-22-36	22	17.4	1.26	21.8	1.42	505 x 353 x 28
AT-20-36	20	17.6	1.14	22.1	1.26	624 x 274 x 28
AT-20-36	20	17.2	1.16	21.6	1.37	505 x 353 x 28
AT-18-36	18	17.4	1.03	21.8	1.16	624 x 274 x 28
AT-18-36	18	17.1	10.05	21.4	1.21	505 x 353 x 28
AT-15-36	15	17.2	0.87	21.6	0.99	624 x 274 x 28
AT-12-36	12	17.4	0.69	21.8	0.77	394 x 267 x 28
AT-11-36	11	17.2	0.64	21.6	0.73	394 x 267 x 28
AT-10-36	10	17.1	0.58	21.4	0.67	394 x 267 x 28
AT-4.5-36	4.5	17.4	0.26	21.8	0.29	304 x 189 x 20
AT-4-18	4	8.74	0.46	11.08	0.51	244 x 164 x 20
AT-4-36	4	17.2	0.23	21.6	0.26	304 x 189 x 20
AT-3.5-18	3.5	8.68	0.41	10.98	0.45	244 x 164 x 20
AT-3.5-36	3.5	17.1	0.21	21.4	0.23	304 x 189 x 20
AT-3-18	3	8.46	0.35	10.8	0.39	244 x 164 x 20
AT-3-18	3	8.74	0.34	11.08	0.38	184 x 188 x 20
AT-2.5-18	2.5	8.68	0.29	10.98	0.33	184 x 188 x 20
AT-2-18	2	8.46	0.24	10.8	0.26	184 x 188 x 20
AT-1.5-18	1.5	8.74	0.17	11.08	0.19	174 x 98 x 20
AT-1-18	1	8.68	0.12	10.98	0.13	174 x 98 x 20

Note: The all spefications'tolerances are ± 5%, Standard Test Conditions is AM1.5,1000W/m^2, 2.5˚C