

Wenzhou SMS Solar Energy S&T Co., Ltd.

● Date sheet for all module types of the family

SMS175M-72 Series:

Parameters	SMS160M-72	SMS165M-72	SMS170M-72	SMS175M-72	SMS180M-72	SMS185M-72	SMS190M-72	SMS195M-72	SMS200M-72
Peak power Pm(W)	160±3%	165±3%	170±3%	175±3%	180±3%	185±3%	190±3%	195±3%	200±3%
Open circuit voltage Voc(V)	42.7	42.7	43.3	43.3	43.9	43.9	44.5	44.6	44.7
Max. power voltage Vmp(V)	35	35	35.5	35.5	36	36	36.5	36.3	36.3
Max. power current Imp(A)	4.57	4.71	4.79	4.93	5.0	5.14	5.21	5.01	5.02
Short circuit current Isc(A)	4.85	5.04	5.08	5.23	5.30	5.45	5.52	5.35	5.42
Practical Module Efficiency η_c (%)	12.5%	12.9%	13.3%	13.7%	14.1%	14.5%	14.9%	15.27%	15.67%
Dimensions(L*W*H)	1580×808×35								
Weigh(kg)	15.5								
Max. over-current (A)	10								
Max. system voltage (V)	1000V DC								
Application Class	Class A								
Mono crystalline silicon solar cell	125*125*0.19mm								
No. of cells and connections	72 series								
No. of bypass diodes	3								
Bypass diode rating (A)	10								
Bypass diode max. junction temperature(°C)	200								
Bypass diode thermal resistance(°C/W)	3.0								
STC	Irradiance:1000W/m ² ,Cell temperature:25°C,AM:1.5								

Wenzhou SMS Solar Energy S&T Co., Ltd.

SMS230M-96 Series:

Parameters	SMS210M-96	SMS215M-96	SMS220M-96	SMS225M-96	SMS230M-96	SMS235M-96	SMS240M-96	SMS245M-96	SMS250M-96	SMS255M-96	SMS260M-96
Peak power Pm(W)	210±3%	215±3%	220±3%	225±3%	230±3%	235±3%	240±3%	245±3%	250±3%	255±3%	260±3%
Open circuit voltage Voc(V)	57.3	57.3	58.0	58.0	58.6	58.6	59.2	59.2	59.8	60.3	60.1
Max. power voltage Vmp(V)	47	47	47.5	47.5	48	48	48.5	48.5	49.0	49.9	49.8
Max. power current Imp(A)	4.47	4.57	4.63	4.74	4.79	4.89	4.95	5.05	5.10	4.69	4.74
Short circuit current Isc(A)	4.82	4.94	5.0	5.07	5.15	5.23	5.32	5.45	5.51	5.38	5.38
Practical Module Efficiency η_c (%)	12.3%	12.6%	12.9%	13.2%	13.5%	13.8%	14.1%	14.4%	14.7%	14.96%	15.26%
Dimensions(L*W*H)	1575*1082*50										
Weigh(kg)	21.5										
Max. over-current (A)	10										
Max. system voltage (V)	1000V DC										
Application Class	Class A										
Mono crystalline silicon solar cell	125*125*0.19mm										
No. of cells and connections	96 series										
No. of bypass diodes	4										
Bypass diode rating (A)	10										
Bypass diode max. junction temperature(°C)	200										
Bypass diode thermal resistance (°C/W)	3.0										
STC	Irradiance:1000W/m ² ,Cell temperature:25°C,AM:1.5										

Wenzhou SMS Solar Energy S&T Co., Ltd.

SMS225P-60Series:

Parameters	SMS205P-60	SMS210P-60	SMS215P-60	SMS220P-60	SMS225P-60	SMS230P-60	SMS235P-60	SMS240P-60	SMS245P-60
Peak power Pm(W)	205±3%	210±3%	215±3%	220±3%	225±3%	230±3%	235±3%	240±3%	245±3%
Open circuit voltage Voc(V)	35.3	36.0	36.0	36.0	36.6	36.6	37.2	37.2	37.2
Max. power voltage Vmp(V)	28.5	29	29	29	29.5	29.5	30	30	30
Max. power current Imp(A)	7.19	7.24	7.41	7.59	7.63	7.80	7.83	8.0	8.17
Short circuit current Isc(A)	7.77	7.82	8.01	8.19	8.24	8.42	8.46	8.65	8.74
8.91Practical Module Efficiency η_c (%)	12.5%	12.8%	13.1%	13.4%	13.7%	14.1%	14.4%	14.7%	15.0%
Dimensions(L*W*H)	1650*992*45								
Weigh(kg)	19.5								
Max. over-current (A)	15								
Max. system voltage (V)	1000V DC								
Application Class	Class A								
Mono crystalline silicon solar cell	156*156*0.19mm								
No. of cells and connections	60 series								
No. of bypass diodes	6								
Bypass diode rating (A)	10								
Bypass diode max. junction temperature(°C)	200								
Bypass diode thermal resistance(°C/W)	3.0								
STC	Irradiance:1000W/m ² ,Cell temperature:25°C,AM:1.5								

Wenzhou SMS Solar Energy S&T Co., Ltd.

SMS265P-72 Series:

Parameters	SMS240P-72	SMS245P-72	SMS250P-72	SMS255P-72	SMS260P-72	SMS265P-72	SMS270P-72	SMS275P-72	SMS280P-72	SMS285P-72	SMS290P-72
Peak power Pm(W)	240±3%	245±3%	250±3%	255±3%	260±3%	265±3%	270±3%	275±3%	280±3%	285±3%	290±3%
Open circuit voltage Voc(V)	42.8	42.8	43.4	43.4	43.4	44.0	44.0	44.0	44.6	44.6	44.6
Max. power voltage Vmp(V)	34.5	34.5	35	35	35	35.5	35.5	35.5	36.0	36.0	36.0
Max. power current Imp(A)	6.96	7.10	7.14	7.29	7.43	7.46	7.61	7.75	7.78	7.92	8.05
Short circuit current Isc(A)	7.51	7.66	7.71	7.87	7.95	8.06	8.14	8.30	8.40	8.55	8.61
Practical Module Efficiency η_c (%)	12.4%	12.6%	12.9%	13.1%	13.4%	13.7%	13.9%	14.2%	14.4%	14.7%	14.9%
Dimensions(L*W*H)	1957*992*50										
Weigh(kg)	22.5										
Max. over-current (A)	15										
Max. system voltage (V)	1000V DC										
Application Class	Class A										
Mono crystalline silicon solar cell	156*156*0.19mm										
No. of cells and connections	72series										
No. of bypass diodes	6										
Bypass diode rating (A)	10										
Bypass diode max. junction temperature(°C)	200										
Bypass diode thermal resistance(°C/W)	3.0										
STC	Irradiance:1000W/m ² ,Cell temperature:25°C,AM:1.5										