



Certificate of Compliance

Certificate: 80164794

Master Contract: 605242

Project: 80164794

Date Issued: 2023-04-11

Issued to: Mate Solar Co., Ltd.

No. 398 Ganquan Road

Hefei, Anhui 230000

China

Attention: Thomas QU

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only



Issued by: *Yuanyuan (Yolanda) Zhou*
Yuanyuan (Yolanda) Zhou

PRODUCTS

CLASS - C531190 - POWER SUPPLIES-Photovoltaic Modules and Panels - Certified to US Standards

CLASS - C531110 - POWER SUPPLIES-Photovoltaic Modules and Panels

Photovoltaic modules with Fire Performance (USA) Type 4, maximum system voltage of 1500 Vdc, model series: MSxxxM-72H (xxx=440-475, in steps of 5), Fuse rating 20A, NOCT: 45+/-2°C.

Photovoltaic modules with Fire Performance (USA) Type 4, maximum system voltage of 1500 Vdc, model series: MSxxxM-72H (xxx=520-575, in steps of 5), Fuse rating 25A, NOCT: 45+/-2°C.

Photovoltaic modules with Fire Performance (USA) Type 4, maximum system voltage of 1500 Vdc, model series: MSxxxM-60H (xxx=570-630, in steps of 5), Fuse rating 30A, NOCT: 45+/-2°C.

Photovoltaic modules with Fire Performance (USA) Type 4, maximum system voltage of 1500 Vdc, model series: MSxxxM-60H (xxx=440-480, in steps of 5), Fuse rating 25A, NOCT: 45+/-2°C.

Photovoltaic modules with Fire Performance (USA) Type 4, maximum system voltage of 1500 Vdc, model series: MSxxxM-60H (xxx=350-395, in steps of 5), Fuse rating 20A, NOCT: 45+/-2°C.



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Photovoltaic modules with Fire Performance (USA) Type 4, maximum system voltage of 1500 Vdc, model series: MSxxxM-78H (xxx=570-625, in steps of 5), Fuse rating 25A, NOCT: 45+/-2°C.

Photovoltaic modules with Fire Performance (USA) Type 4, maximum system voltage of 1500 Vdc, model series: MSxxxM-66H (xxx=630-700, in steps of 5), Fuse rating 30A, NOCT: 45+/-2°C.

Photovoltaic modules with Fire Performance (USA) Type 4, maximum system voltage of 1500 Vdc, model series: MSxxxM-66H (xxx=480-525, in steps of 5), Fuse rating 25A, NOCT: 45+/-2°C.

Photovoltaic modules with Fire Performance (USA) Type 4, maximum system voltage of 1500 Vdc, model series: MSxxxM-55H (xxx=525-575, in steps of 5), Fuse rating 30A, NOCT: 45+/-2°C.

Photovoltaic modules with Fire Performance (USA) Type 4, maximum system voltage of 1500 Vdc, model series: MSxxxM-54H (xxx=395-430, in steps of 5), Fuse rating 25A, NOCT: 45+/-2°C.

Photovoltaic modules with Fire Performance (USA) Type 4, maximum system voltage of 1500 Vdc, model series: MSxxxM-60HB (xxx=560-615, in steps of 5), Fuse rating 30A, NOCT: 45+/-2°C.

Photovoltaic modules with Fire Performance (USA) Type 4, maximum system voltage of 1500 Vdc, model series: MSxxxM-60HB (xxx=435-475, in steps of 5), Fuse rating 25A, NOCT: 45+/-2°C.

Photovoltaic modules with Fire Performance (USA) Type 4, maximum system voltage of 1500 Vdc, model series: MSxxxM-60HB (xxx=350-390, in steps of 5), Fuse rating 20A, NOCT: 45+/-2°C.

Photovoltaic modules with Fire Performance (USA) Type 4, maximum system voltage of 1500 Vdc, model series: MSxxxM-66HB (xxx=620-695, in steps of 5), Fuse rating 30A, NOCT: 45+/-2°C.

Photovoltaic modules with Fire Performance (USA) Type 4, maximum system voltage of 1500 Vdc, model series: MSxxxM-66HB (xxx=475-525, in steps of 5), Fuse rating 25A, NOCT: 45+/-2°C.

Photovoltaic modules with Fire Performance (USA) Type 4, maximum system voltage of 1500 Vdc, model series: MSxxxM-72HB (xxx=520-570, in steps of 5), Fuse rating 25A, NOCT: 45+/-2°C.

Photovoltaic modules with Fire Performance (USA) Type 4, maximum system voltage of 1500 Vdc, model series: MSxxxM-72HB (xxx=435-470, in steps of 5), Fuse rating 20A, NOCT: 45+/-2°C.

Photovoltaic modules with Fire Performance (USA) Type 4, maximum system voltage of 1500 Vdc, model series: MSxxxM-55HB (xxx=520-565, in steps of 5), Fuse rating 30A, NOCT: 45+/-2°C.

Photovoltaic modules with Fire Performance (USA) Type 4, maximum system voltage of 1500 Vdc, model series: MSxxxM-78HB (xxx=565-620, in steps of 5), Fuse rating 25A, NOCT: 45+/-2°C.

Photovoltaic modules with Fire Performance (USA) Type 4, maximum system voltage of 1500 Vdc, model series: MSxxxM-54HB (xxx=390-425, in steps of 5), Fuse rating 25A, NOCT: 45+/-2°C.

Notes:

1. The electrical characteristics are within ± 5 percent of the rated values of I_{sc} , V_{oc} , and P_{max} under standard test conditions (irradiance of 1000 W/m², AM 1.5 Spectrum, and a cell temperature of 25°C (77°F)).
2. The operating ambient temperature of these devices may exceed 40 °C at full load for all wire sizes if it is determined suitable in the field use application.

Model	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
MSxxxM-66H (xxx=630-700, in steps of 5) with 210mm cell					
MS630M-66H	44.50	18.23	36.60	17.22	630



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Model	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
MS635M-66H	44.70	18.28	36.80	17.26	635
MS640M-66H	44.90	18.33	37.00	17.30	640
MS645M-66H	45.10	18.38	37.20	17.34	645
MS650M-66H	45.30	18.43	37.40	17.39	650
MS655M-66H	45.50	18.48	37.60	17.43	655
MS660M-66H	45.70	18.53	37.80	17.47	660
MS665M-66H	45.90	18.58	38.00	17.50	665
MS670M-66H	46.10	18.63	38.20	17.54	670
MS675M-66H	46.30	18.68	38.40	17.58	675
MS680M-66H	46.50	18.73	38.60	17.62	680
MS685M-66H	46.70	18.78	38.80	17.66	685
MS690M-66H	46.90	18.83	39.00	17.70	690
MS695M-66H	47.10	18.88	39.20	17.73	695
MS700M-66H	47.30	18.93	39.40	17.77	700
MSxxxM-60H (xxx=570-630, in steps of 5) with 210mm cell					
MS570M-60H	40.30	18.22	33.20	17.17	570
MS575M-60H	40.50	18.27	33.40	17.22	575
MS580M-60H	40.70	18.32	33.60	17.27	580
MS585M-60H	40.90	18.37	33.80	17.31	585
MS590M-60H	41.10	18.42	34.00	17.36	590
MS595M-60H	41.30	18.47	34.20	17.40	595
MS600M-60H	41.50	18.52	34.40	17.45	600
MS605M-60H	41.70	18.57	34.60	17.49	605
MS610M-60H	41.90	18.62	34.80	17.53	610
MS615M-60H	42.10	18.67	35.00	17.58	615
MS620M-60H	42.30	18.72	35.20	17.63	620
MS625M-60H	42.50	18.77	35.40	17.66	625
MS630M-60H	42.70	18.82	35.60	17.70	630
MSxxxM-55H (xxx=525-575, in steps of 5) with 210mm cell					
MS525M-55H	36.90	18.26	30.60	17.16	525
MS530M-55H	37.10	18.31	30.80	17.21	530
MS535M-55H	37.30	18.36	31.00	17.26	535
MS540M-55H	37.50	18.41	31.20	17.31	540
MS545M-55H	37.70	18.46	31.40	17.36	545
MS550M-55H	37.90	18.51	31.60	17.41	550
MS555M-55H	38.10	18.56	31.80	17.46	555
MS560M-55H	38.30	18.61	32.00	17.50	560
MS565M-55H	38.50	18.66	32.20	17.55	565
MS570M-55H	38.70	18.71	32.40	17.59	570
MS575M-55H	38.90	18.76	32.60	17.64	575
MSxxxM-66HB (xxx=620-695, in steps of 5) with 210mm cell					
MS620M-66HB	44.42	18.07	36.52	16.99	620
MS625M-66HB	44.62	18.12	36.72	17.03	625
MS630M-66HB	44.82	18.17	36.92	17.07	630



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MS635M-66HB	45.02	18.22	37.12	17.11	635
MS640M-66HB	45.22	18.27	37.32	17.15	640
MS645M-66HB	45.42	18.32	37.52	17.20	645
MS650M-66HB	45.62	18.37	37.72	17.24	650
MS655M-66HB	45.82	18.42	37.92	17.28	655
MS660M-66HB	46.02	18.47	38.12	17.32	660
MS665M-66HB	46.22	18.52	38.32	17.36	665
MS670M-66HB	46.42	18.57	38.52	17.40	670
MS675M-66HB	46.62	18.62	38.72	17.44	675
MS680M-66HB	46.82	18.67	38.92	17.48	680
MS685M-66HB	47.02	18.72	39.12	17.52	685
MS690M-66HB	47.22	18.77	39.32	17.55	690
MS695M-66HB	47.42	18.82	39.52	17.59	695
MSxxxM-60HB (xxx=560-615, in steps of 5) with 210mm cell					
MS560M-60HB	40.22	18.06	33.12	16.91	560
MS565M-60HB	40.42	18.11	33.32	16.96	565
MS570M-60HB	40.62	18.16	33.52	17.01	570
MS575M-60HB	40.82	18.21	33.72	17.06	575
MS580M-60HB	41.02	18.26	33.92	17.10	580
MS585M-60HB	41.22	18.31	34.12	17.15	585
MS590M-60HB	41.42	18.36	34.32	17.20	590
MS595M-60HB	41.62	18.41	34.52	17.24	595
MS600M-60HB	41.82	18.46	34.72	17.29	600
MS605M-60HB	42.02	18.51	34.92	17.33	605
MS610M-60HB	42.22	18.56	35.12	17.37	610
MS615M-60HB	42.42	18.60	35.32	17.42	615
MSxxxM-55HB (xxx=520-565, in steps of 5) with 210mm cell					
MS520M-55HB	37.00	18.15	30.72	16.94	520
MS525M-55HB	37.20	18.20	30.92	16.99	525
MS530M-55HB	37.40	18.25	31.12	17.04	530
MS535M-55HB	37.60	18.30	31.32	17.09	535
MS540M-55HB	37.82	18.35	31.52	17.14	540
MS545M-55HB	38.02	18.40	31.72	17.19	545
MS550M-55HB	38.22	18.45	31.92	17.24	550
MS555M-55HB	38.42	18.50	32.12	17.28	555
MS560M-55HB	38.62	18.55	32.32	17.33	560
MS565M-55HB	38.82	18.60	32.52	17.38	565
MSxxxM-78H (xxx=570-625, in steps of 5) with 182mm cell					
MS570M-78H	53.33	44.12	13.62	12.93	570
MS575M-78H	53.43	44.22	13.69	13.01	575
MS580M-78H	53.53	44.32	13.76	13.09	580
MS585M-78H	53.63	44.42	13.83	13.17	585
MS590M-78H	53.73	44.52	13.90	13.26	590
MS595M-78H	53.83	44.62	13.97	13.34	595



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Model	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
MS600M-78H	53.93	44.72	14.04	13.42	600
MS605M-78H	54.03	44.82	14.11	13.50	605
MS610M-78H	54.13	44.92	14.18	13.58	610
MS615M-78H	54.23	45.02	14.25	13.67	615
MS620M-78H	54.33	45.12	14.32	13.75	620
MS625M-78H	54.43	45.22	14.39	13.83	625
MSxxxM-72H (xxx=520-575, in steps of 5) with 182mm cell					
MS520M-72H	49.04	40.35	13.58	12.92	520
MS525M-72H	49.14	40.43	13.65	13.00	525
MS530M-72H	49.24	40.53	13.72	13.08	530
MS535M-72H	49.34	40.63	13.79	13.17	535
MS540M-72H	49.44	40.72	13.86	13.27	540
MS545M-72H	49.54	40.81	13.93	13.36	545
MS550M-72H	49.64	40.90	14.00	13.45	550
MS555M-72H	49.74	40.99	14.07	13.54	555
MS560M-72H	49.84	41.08	14.14	13.64	560
MS565M-72H	49.94	41.17	14.21	13.73	565
MS570M-72H	50.04	41.26	14.28	13.82	570
MS575M-72H	50.14	41.35	14.35	13.91	575
MSxxxM-66H (xxx=480-525, in steps of 5) with 182mm cell					
MS480M-66H	48.22	39.94	12.92	12.03	480
MS485M-66H	48.34	40.08	12.99	12.11	485
MS490M-66H	48.46	40.22	13.06	12.19	490
MS495M-66H	48.58	40.36	13.13	12.27	495
MS500M-66H	48.70	40.50	13.20	12.35	500
MS505M-66H	48.82	40.64	13.27	12.43	505
MS510M-66H	48.94	40.78	13.34	12.51	510
MS515M-66H	49.06	40.92	13.41	12.59	515
MS520M-66H	49.18	41.06	13.48	12.67	520
MS525M-66H	49.30	41.20	13.55	12.75	525
MSxxxM-60H (xxx=440-480, in steps of 5) with 182mm cell					
MS440M-60H	41.02	33.72	13.73	13.05	440
MS445M-60H	41.12	33.84	13.80	13.16	445
MS450M-60H	41.22	33.96	13.87	13.26	450
MS455M-60H	41.32	34.08	13.94	13.36	455
MS460M-60H	41.42	34.20	14.01	13.46	460
MS465M-60H	41.52	34.32	14.08	13.55	465
MS470M-60H	41.62	34.44	14.15	13.65	470
MS475M-60H	41.72	34.56	14.22	13.75	475
MS480M-60H	41.82	34.68	14.29	13.85	480
MSxxxM-54H (xxx=395-430, in steps of 5) with 182mm cell					
MS395M-54H	36.90	30.32	13.71	13.03	395
MS400M-54H	36.98	30.42	13.78	13.15	400
MS405M-54H	37.06	30.52	13.85	13.27	405



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MS410M-54H	37.14	30.62	13.92	13.39	410
MS415M-54H	37.22	30.72	13.99	13.51	415
MS420M-54H	37.30	30.82	14.06	13.63	420
MS425M-54H	37.38	30.92	14.13	13.75	425
MS430M-54H	37.46	31.02	14.20	13.87	430
MSxxxM-78HB (xxx=565-620, in steps of 5) with 182mm cell					
MS565M-78HB	53.37	44.16	13.51	12.80	565
MS570M-78HB	53.47	44.26	13.58	12.88	570
MS575M-78HB	53.57	44.36	13.65	12.97	575
MS580M-78HB	53.67	44.46	13.72	13.05	580
MS585M-78HB	53.77	44.56	13.79	13.13	585
MS590M-78HB	53.87	44.66	13.86	13.22	590
MS595M-78HB	53.97	44.76	13.93	13.30	595
MS600M-78HB	54.07	44.86	14.00	13.38	600
MS605M-78HB	54.17	44.96	14.07	13.46	605
MS610M-78HB	54.27	45.06	14.14	13.54	610
MS615M-78HB	54.37	45.16	14.21	13.62	615
MS620M-78HB	54.47	45.26	14.28	13.70	620
MSxxxM-72HB (xxx=520-570, in steps of 5) with 182mm cell					
MS520M-72HB	49.18	40.50	13.54	12.84	520
MS525M-72HB	49.28	40.59	13.61	12.94	525
MS530M-72HB	49.38	40.68	13.68	13.03	530
MS535M-72HB	49.48	40.77	13.75	13.13	535
MS540M-72HB	49.58	40.86	13.82	13.22	540
MS545M-72HB	49.68	40.95	13.89	13.31	545
MS550M-72HB	49.78	41.04	13.96	13.41	550
MS555M-72HB	49.88	41.13	14.03	13.50	555
MS560M-72HB	49.98	41.22	14.10	13.59	560
MS565M-72HB	50.08	41.31	14.17	13.68	565
MS570M-72HB	50.18	41.40	14.24	13.77	570
MSxxxM-66HB (xxx=475-525, in steps of 5) with 182mm cell					
MS475M-66HB	48.24	39.94	12.81	11.90	475
MS480M-66HB	48.36	40.08	12.88	11.98	480
MS485M-66HB	48.48	40.22	12.95	12.06	485
MS490M-66HB	48.60	40.36	13.02	12.15	490
MS495M-66HB	48.72	40.50	13.09	12.23	495
MS500M-66HB	48.84	40.64	13.16	12.31	500
MS505M-66HB	48.96	40.78	13.23	12.39	505
MS510M-66HB	49.08	40.92	13.30	12.47	510
MS515M-66HB	49.20	41.06	13.37	12.55	515
MS520M-66HB	49.32	41.20	13.44	12.63	520
MS525M-66HB	49.44	41.34	13.51	12.71	525
MSxxxM-60HB (xxx=435-475, in steps of 5) with 182mm cell					
MS435M-60HB	41.06	33.74	13.62	12.90	435



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MS440M-60HB	41.16	33.86	13.69	13.00	440
MS445M-60HB	41.26	33.98	13.76	13.10	445
MS450M-60HB	41.36	34.10	13.83	13.20	450
MS455M-60HB	41.46	34.22	13.90	13.30	455
MS460M-60HB	41.56	34.34	13.97	13.40	460
MS465M-60HB	41.66	34.46	14.04	13.50	465
MS470M-60HB	41.76	34.58	14.11	13.60	470
MS475M-60HB	41.86	34.70	14.18	13.70	475
MSxxxM-54HB (xxx=390-425, in steps of 5) with 182mm cell					
MS390M-54HB	36.96	30.36	13.60	12.85	390
MS395M-54HB	37.04	30.46	13.67	12.97	395
MS400M-54HB	37.12	30.56	13.74	13.09	400
MS405M-54HB	37.20	30.66	13.81	13.21	405
MS410M-54HB	37.28	30.76	13.88	13.33	410
MS415M-54HB	37.36	30.86	13.95	13.45	415
MS420M-54HB	37.44	30.96	14.02	13.57	420
MS425M-54HB	37.52	31.06	14.09	13.69	425
MSxxxM-72H (xxx=440-475, in steps of 5) with 166mm cell					
MS440M-72H	49.2	40.6	11.39	10.84	440
MS445M-72H	49.4	40.8	11.46	10.91	445
MS450M-72H	49.6	41.0	11.53	10.98	450
MS455M-72H	49.8	41.2	11.60	11.05	455
MS460M-72H	50.0	41.4	11.67	11.12	460
MS465M-72H	50.2	41.6	11.74	11.18	465
MS470M-72H	50.4	41.8	11.81	11.25	470
MS475M-72H	50.6	42.0	11.88	11.31	475
MSxxxM-60H (xxx=350-395, in steps of 5) with 166mm cell					
MS350M-60H	40.1	33.2	11.09	10.55	350
MS355M-60H	40.4	33.5	11.16	10.60	355
MS360M-60H	40.7	33.8	11.23	10.66	360
MS365M-60H	41.0	34.1	11.30	10.71	365
MS370M-60H	41.3	34.4	11.37	10.76	370
MS375M-60H	41.6	34.7	11.44	10.81	375
MS380M-60H	41.9	35.0	11.51	10.86	380
MS385M-60H	42.2	35.3	11.58	10.91	385
MS390M-60H	42.5	35.6	11.65	10.96	390
MS395M-60H	42.8	35.9	11.72	11.01	395
MSxxxM-72HB (xxx=435-470, in steps of 5) with 166mm cell					
MS435M-72HB	49.36	40.72	11.23	10.69	435
MS440M-72HB	49.56	40.92	11.30	10.76	440
MS445M-72HB	49.76	41.12	11.37	10.83	445
MS450M-72HB	49.96	41.32	11.44	10.90	450
MS455M-72HB	50.16	41.52	11.51	10.96	455
MS460M-72HB	50.36	41.72	11.58	11.03	460

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MS465M-72HB	50.56	41.92	11.65	11.10	465
MS470M-72HB	50.76	42.12	11.72	11.17	470
MSxxxM-60HB (xxx=350-385, in steps of 5) with 166mm cell					
MS350M-60HB	40.64	33.58	11.00	10.43	350
MS355M-60HB	40.94	33.88	11.07	10.48	355
MS360M-60HB	41.24	34.18	11.14	10.54	360
MS365M-60HB	41.54	34.48	11.21	10.59	365
MS370M-60HB	41.84	34.78	11.28	10.64	370
MS375M-60HB	42.14	35.08	11.35	10.69	375
MS380M-60HB	42.44	35.38	11.42	10.75	380
MS385M-60HB	42.74	35.68	11.49	10.80	385
MS390M-60HB	43.04	36.08	11.56	10.82	390

APPLICABLE REQUIREMENTS

CSA C22.2 No. 61730-1:19 Photovoltaic (PV) module safety qualification — Part 1: Requirements for construction, 2019-12.

CSA C22.2 No. 61730-2:19 Photovoltaic (PV) module safety qualification — Part 2: Requirements for testing, 2019-12.

UL 61730-1 1st: Photovoltaic (PV) Module Safety Qualification – Part 1: Requirements for Construction, 2017-12-04, revision date 2020-04-30.

UL 61730-2 1st: Photovoltaic (PV) Module Safety Qualification – Part 2: Requirements for Testing, 2017-12-04, revision date 2020-04-30.

Notes:

Products certified under Class C531110 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca



MARKINGS

Each unit shall bear all the required markings identified in the applicable certification report(s).



Supplement to Certificate of Compliance

Certificate: 80164794

Master Contract: 605242

*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
80164794	April 11, 2023	Multiple Listing for Mate Solar Co., Ltd. Base Manufacturer: Sunpal Power Co. Ltd. (Master Contract: 303385)

Original Report	Base Model No.	Listee Model No.
80151490	SPxxxM-72H (xxx=440-475, in steps of 5)	MSxxxM-72H xxx=440-475, in steps of 5)
	SPxxxM-60H (xxx=350-395, in steps of 5)	MSxxxM-60H (xxx=350-395, in steps of 5)
	SPxxxM-78H (xxx=570-625, in steps of 5)	MSxxxM-78H (xxx=570-625, in steps of 5)
	SPxxxM-72H (xxx=520-575, in steps of 5)	MSxxxM-72H (xxx=520-575, in steps of 5)
	SPxxxM-66H (xxx=480-525, in steps of 5)	MSxxxM-66H (xxx=480-525, in steps of 5)
	SPxxxM-60H (xxx=440-480, in steps of 5)	MSxxxM-60H (xxx=440-480, in steps of 5)
	SPxxxM-54H (xxx=395-430, in steps of 5)	MSxxxM-54H (xxx=395-430, in steps of 5)
	SPxxxM-66H (xxx=630-700, in steps of 5)	MSxxxM-66H (xxx=630-700, in steps of 5)
	SPxxxM-60H (xxx=570-630, in steps of 5)	MSxxxM-60H (xxx=570-630, in steps of 5)
	SPxxxM-55H (xxx=525-575, in steps of 5)	MSxxxM-55H (xxx=525-575, in steps of 5)
	SPxxxM-72HB (xxx=435-470, in steps of 5)	MSxxxM-72HB (xxx=435-470, in steps of 5)
	SPxxxM-60HB (xxx=350-390, in steps of 5)	MSxxxM-60HB (xxx=350-390, in steps of 5)
	SPxxxM-78HB (xxx=565-620, in steps of 5)	MSxxxM-78HB (xxx=565-620, in steps of 5)
	SPxxxM-72HB (xxx=520-570, in steps of 5)	MSxxxM-72HB (xxx=520-570, in steps of 5)
	SPxxxM-66HB (xxx=475-525, in steps of 5)	MSxxxM-66HB (xxx=475-525, in steps of 5)



Certificate: 80034037

Master Contract: 270178

Project: 80137323

Date Issued: 2022-08-30

80164794 April 11, 2023

Multiple Listing for Mate Solar Co., Ltd.

Base Manufacturer: Sunpal Power Co. Ltd. (Master Contract: 303385)

Original Report	Base Model No.	Listee Model No.
80151490	SPxxxM-60HB (xxx=435-475, in steps of 5)	MSxxxM-60HB (xxx=435-475, in steps of 5)
	SPxxxM-54HB (xxx=390-425, in steps of 5)	MSxxxM-54HB (xxx=390-425, in steps of 5)
	SPxxxM-66HB (xxx=620-695, in steps of 5)	MSxxxM-66HB (xxx=620-695, in steps of 5)
	SPxxxM-60HB (xxx=560-615, in steps of 5)	MSxxxM-60HB (xxx=560-615, in steps of 5)
	SPxxxM-55HB (xxx=520-565, in steps of 5)	MSxxxM-55HB (xxx=520-565, in steps of 5)