



Certificate of Compliance

Certificate: 80034037

Master Contract: 270178

Project: 80104298

Date Issued: 2021-12-03

Issued to: SEG Solar Inc.
973 Isom Road
San Antonio, Texas, 78216
United States

Attention: Senyan Wu

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: Qiang (Sean) Jiang
Qiang (Sean) Jiang

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 28, maximum system voltage of 1500 V dc, model series: SEG-XXX-6MA-BG (xxx=345-395, in steps of 5), Fuse rating 20A.

Photovoltaic modules with Fire Performance (USA) Type 28, maximum system voltage of 1500 V dc, model series: SEG-XXX-6MB-BG (xxx=290-330, in steps of 5), Fuse rating 20A.

Photovoltaic modules with Fire Performance (USA) Type 28, maximum system voltage of 1500 V dc, model series: SEG-XXX-6MA-DG (xxx=340-395, in steps of 5), Fuse rating 20A.

Photovoltaic modules with Fire Performance (USA) Type 28, maximum system voltage of 1500 V dc, model series: SEG-XXX-6MB-DG (xxx=285-330, in steps of 5), Fuse rating 20A.

Photovoltaic modules with Fire Performance (USA) Type 28, maximum system voltage of 1500 V dc, model series: SEG-XXX-6PA-DG (xxx=320-360, in steps of 5) Fuse rating 20A.

Photovoltaic modules with Fire Performance (USA) Type 28, maximum system voltage of 1500 V dc, model series: SEG-XXX-6PB-DG (xxx=270-300, in steps of 5), Fuse rating 20A.

Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: SEG-XXX-BMA-BG (xxx=340-460, in steps of 5), Fuse rating 20A.

Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: SEG-XXX-BMB-BG (xxx=285-370, in steps of 5), Fuse rating 20A.



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Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: SEG-XXX-BMA-DG (xxx=340-425, in steps of 5), Fuse rating 20A.
Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: SEG-XXX-BMB-DG (xxx=285-350, in steps of 5), Fuse rating 20A.
Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: SEG-XXX-BPA-DG (xxx=320-360, in steps of 5), Fuse rating 20A.
Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: SEG-XXX-BPB-DG (xxx=270-300, in steps of 5), Fuse rating 20A.
Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: SEG-XXX-BMA-HV (XXX=385 to 460, in steps of 5), Fuse rating 20A.
Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: SEG-XXX-BMB-HV (XXX=320 to 380, in steps of 5), Fuse rating 20A.
Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: SEG-XXX-6MA-HV (XXX=350 to 400, in steps of 5), Fuse rating 20A.
Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: SEG-XXX-6MB-HV (XXX=295 to 330, in steps of 5), Fuse rating 20A.
Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: SEG-XXX-BMZ-HV (XXX=425 to 450, in steps of 5), Fuse rating 20A.
Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: SEG-XXX-BMZ-BG (XXX=425 to 450, in steps of 5), Fuse rating 20A.
Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: SEG-XXX-BMA-BG (xxx=500-550, in steps of 5), Fuse rating 25A.
Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: SEG-XXX-BMB-BG (xxx=415-460, in steps of 5), Fuse rating 25A.
Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: SEG-XXX-BMC-BG (xxx=455-505, in steps of 5), Fuse rating 25A.
Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: SEG-XXX-BMD-BG (xxx=370-415, in steps of 5), Fuse rating 25A.
Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: SEG-XXX-BMA-HV (xxx=500-550, in steps of 5), Fuse rating 25A.
Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: SEG-XXX-BMB-HV (xxx=415-460, in steps of 5), Fuse rating 25A.
Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: SEG-XXX-BMC-HV (xxx=455-505, in steps of 5), Fuse rating 25A.
Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: SEG-XXX-BMD-HV (xxx=370-415, in steps of 5), Fuse rating 25A.
Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: SEG-XXX-BMA-TB (XXX=385 to 460, in steps of 5), Fuse rating 20A.
Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: SEG-XXX-BMB-TB (XXX=320 to 380, in steps of 5), Fuse rating 20A.
Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: SEG-XXX-6MA-TB (XXX=350 to 400, in steps of 5), Fuse rating 20A.
Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: SEG-XXX-6MB-TB (XXX=295 to 330, in steps of 5), Fuse rating 20A.
Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: SEG-XXX-BMZ-TB (XXX=425 to 450, in steps of 5), Fuse rating 20A.



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Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: SEG -XXX-BMA-TB (xxx=500-550, in steps of 5), Fuse rating 25A.
 Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: SEG -XXX-BMB-TB (xxx=415-460, in steps of 5), Fuse rating 25A.
 Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: SEG -XXX-BMC-TB (xxx=455-505, in steps of 5), Fuse rating 25A.
 Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: SEG -XXX-BMD-TB (xxx=370-415, in steps of 5), Fuse rating 25A.

Notes:

1. The electrical characteristics are within $\pm 4, 2, 3$ percent of the indicated values of I_{sc} , V_{oc} , and P_{max} under standard test conditions (irradiance of 100 mW/cm², AM 1.5 spectrum, and a cell temperature of 25°C (77°F)). NOCT: 45°C.
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)	Rated Voltage at STC(V dc)	Short Circuit Current at STC(A dc)	Rated Current at STC(A dc)	Rated Maximum Power at STC(Watts)
SEG-XXX-6MA-BG (xxx=345-395, in steps of 5)					
SEG-345-6MA-BG	47.3	38.7	9.35	8.92	345
SEG-350-6MA-BG	47.5	38.9	9.43	9.00	350
SEG-355-6MA-BG	47.7	39.1	9.52	9.08	355
SEG-360-6MA-BG	47.9	39.3	9.61	9.17	360
SEG-365-6MA-BG	48.1	39.5	9.69	9.24	365
SEG-370-6MA-BG	48.3	39.7	9.77	9.32	370
SEG-375-6MA-BG	48.5	39.9	9.86	9.40	375
SEG-380-6MA-BG	48.7	40.1	9.94	9.48	380
SEG-385-6MA-BG	48.8	40.3	10.01	9.56	385
SEG-390-6MA-BG	49.0	40.5	10.08	9.63	390
SEG-395-6MA-BG	49.2	40.7	10.16	9.71	395
SEG-XXX-6MB-BG (xxx=290-330, in steps of 5),					
SEG-290-6MB-BG	39.5	32.2	9.41	9.01	290
SEG-295-6MB-BG	39.7	32.4	9.51	9.11	295
SEG-300-6MB-BG	39.9	32.6	9.62	9.21	300
SEG-305-6MB-BG	40.1	32.8	9.72	9.30	305
SEG-310-6MB-BG	40.3	33.0	9.81	9.40	310
SEG-315-6MB-BG	40.5	33.2	9.89	9.49	315
SEG-320-6MB-BG	40.7	33.4	9.97	9.58	320
SEG-325-6MB-BG	40.9	33.6	10.05	9.68	325
SEG-330-6MB-BG	41.1	33.8	10.14	9.77	330
SEG-XXX-6MA-DG (xxx=340-395, in steps of 5),					
SEG-340-6MA-DG	47.1	38.5	9.16	8.84	340



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SEG-345-6MA-DG	47.3	38.7	9.24	8.92	345
SEG-350-6MA-DG	47.5	38.9	9.32	9.00	350
SEG-355-6MA-DG	47.7	39.1	9.40	9.08	355
SEG-360-6MA-DG	47.9	39.3	9.48	9.17	360
SEG-365-6MA-DG	48.2	39.6	9.54	9.22	365
SEG-370-6MA-DG	48.4	39.8	9.62	9.30	370
SEG-375-6MA-DG	48.6	40.0	9.71	9.38	375
SEG-380-6MA-DG	48.8	40.2	9.79	9.46	380
SEG-385-6MA-DG	49.1	40.5	9.83	9.51	385
SEG-390-6MA-DG	49.4	40.8	9.88	9.56	390
SEG-395-6MA-DG	49.6	41.0	9.96	9.64	395
SEG-XXX-6MB-DG (xxx=285-330, in steps of 5)					
SEG-285-6MB-DG	49.4	40.8	9.88	9.56	285
SEG-290-6MB-DG	49.6	41.0	9.96	9.64	290
SEG-295-6MB-DG	39.3	32.1	9.22	8.88	295
SEG-300-6MB-DG	39.5	32.3	9.32	8.98	300
SEG-305-6MB-DG	39.7	32.5	9.42	9.08	305
SEG-310-6MB-DG	39.9	32.7	9.52	9.18	310
SEG-315-6MB-DG	40.1	32.9	9.61	9.27	315
SEG-320-6MB-DG	40.4	33.2	9.69	9.34	320
SEG-325-6MB-DG	40.7	33.5	9.76	9.41	325
SEG-330-6MB-DG	40.9	33.7	9.85	9.50	330
SEG-XXX-6PA-DG (xxx=320-360, in steps of 5)					
SEG-320-6PA-DG	46.4	37.7	8.80	8.49	320
SEG-325-6PA-DG	46.7	38.0	8.87	8.56	325
SEG-330-6PA-DG	46.9	38.2	8.96	8.65	330
SEG-335-6PA-DG	47.1	38.4	9.05	8.73	335
SEG-340-6PA-DG	47.3	38.6	9.15	8.81	340
SEG-345-6PA-DG	47.5	38.8	9.24	8.90	345
SEG-350-6PA-DG	47.8	39.1	9.28	8.96	350
SEG-355-6PA-DG	47.9	39.2	9.38	9.06	355
SEG-360-6PA-DG	48.1	39.4	9.46	9.14	360
SEG-XXX-6PB-DG (xxx=270-300, in steps of 5),					
SEG-270-6PB-DG	38.9	31.6	8.87	8.56	270
SEG-275-6PB-DG	39.2	31.8	8.96	8.65	275
SEG-280-6PB-DG	39.5	32.1	9.06	8.74	280
SEG-285-6PB-DG	39.7	32.3	9.15	8.83	285
SEG-290-6PB-DG	40.0	32.6	9.22	8.90	290
SEG-295-6PB-DG	40.2	32.8	9.34	9.01	295
SEG-300-6PB-DG	40.4	33.0	9.44	9.11	300



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SEG-XXX-BMA-BG (xxx=340-460, in steps of 5) (for 156.75mm, 158.75mm, 166mm cell only)					
SEG-340-BMA-BG	46.7	38.8	9.25	8.77	340
SEG-345-BMA-BG	47.0	39.1	9.31	8.83	345
SEG-350-BMA-BG	47.2	39.4	9.38	8.89	350
SEG-355-BMA-BG	47.5	39.7	9.44	8.95	355
SEG-360-BMA-BG	47.8	40.0	9.49	9.00	360
SEG-365-BMA-BG	48.0	40.2	9.58	9.08	365
SEG-370-BMA-BG	48.3	40.5	9.64	9.14	370
SEG-375-BMA-BG	48.5	40.7	9.73	9.22	375
SEG-380-BMA-BG	48.7	40.9	9.81	9.30	380
SEG-385-BMA-BG	48.9	41.1	9.88	9.37	385
SEG-390-BMA-BG	49.1	41.3	9.96	9.45	390
SEG-395-BMA-BG	49.3	41.5	10.04	9.52	395
SEG-400-BMA-BG	49.5	41.7	10.12	9.60	400
SEG-405-BMA-BG	49.7	41.9	10.19	9.67	405
SEG-410-BMA-BG	49.9	42.1	10.26	9.74	410
SEG-415-BMA-BG	50.2	42.4	10.31	9.79	415
SEG-420-BMA-BG	48.9	40.7	10.97	10.32	420
SEG-425-BMA-BG	49.2	40.9	11.04	10.40	425
SEG-430-BMA-BG	49.4	41.1	11.11	10.47	430
SEG-435-BMA-BG	49.6	41.3	11.18	10.54	435
SEG-440-BMA-BG	49.7	41.4	11.27	10.63	440
SEG-445-BMA-BG	49.9	41.6	11.34	10.70	445
SEG-450-BMA-BG	50.1	41.8	11.42	10.77	450
SEG-455-BMA-BG	50.3	42.0	11.49	10.84	455
SEG-460-BMA-BG	50.5	42.2	11.57	10.91	460
SEG-XXX-BMB-BG (xxx=285-370, in steps of 5) (for 156.75mm, 158.75mm, 166mm cell only)					
SEG-285-BMB-BG	38.7	32.3	9.31	8.83	285
SEG-290-BMB-BG	39	32.6	9.39	8.9	290
SEG-295-BMB-BG	39.3	32.9	9.46	8.97	295
SEG-300-BMB-BG	39.6	33.2	9.54	9.04	300
SEG-305-BMB-BG	39.9	33.5	9.61	9.11	305
SEG-310-BMB-BG	40.2	33.8	9.68	9.18	310
SEG-315-BMB-BG	40.5	34.1	9.75	9.24	315
SEG-320-BMB-BG	40.7	34.3	9.84	9.33	320
SEG-325-BMB-BG	40.9	34.5	9.93	9.43	325
SEG-330-BMB-BG	41.1	34.7	10.02	9.52	330
SEG-335-BMB-BG	41.30	34.9	10.10	9.60	335
SEG-340-BMB-BG	41.4	35.0	10.23	9.72	340
SEG-345-BMB-BG	40.6	33.6	10.87	10.27	345



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SEG-350-BMB-BG	40.8	33.8	11.00	10.36	350
SEG-355-BMB-BG	41.0	34.0	11.10	10.45	355
SEG-360-BMB-BG	41.2	34.2	11.20	10.53	360
SEG-365-BMB-BG	41.4	34.4	11.30	10.62	365
SEG-370-BMB-BG	41.6	34.6	11.30	10.70	370
SEG-XXX-BMA-DG (xxx=340-425, in steps of 5)					
SEG-340-BMA-DG	46.7	38.8	9.25	8.77	340
SEG-345-BMA-DG	47.0	39.1	9.31	8.83	345
SEG-350-BMA-DG	47.2	39.4	9.38	8.89	350
SEG-355-BMA-DG	47.5	39.7	9.44	8.95	355
SEG-360-BMA-DG	47.8	40.0	9.49	9.00	360
SEG-365-BMA-DG	48.0	40.2	9.58	9.08	365
SEG-370-BMA-DG	48.3	40.5	9.64	9.14	370
SEG-375-BMA-DG	48.5	40.7	9.73	9.22	375
SEG-380-BMA-DG	48.7	40.9	9.81	9.30	380
SEG-385-BMA-DG	48.9	41.1	9.88	9.37	385
SEG-390-BMA-DG	49.1	41.3	9.96	9.45	390
SEG-395-BMA-DG	49.3	41.5	10.04	9.52	395
SEG-400-BMA-DG	47.4	40.0	10.69	10.00	400
SEG-405-BMA-DG	47.6	40.1	10.76	10.11	405
SEG-410-BMA-DG	47.9	40.3	10.83	10.18	410
SEG-415-BMA-DG	48.7	40.5	10.90	10.25	415
SEG-420-BMA-DG	48.9	40.7	10.97	10.32	420
SEG-425-BMA-DG	49.2	40.9	11.04	10.40	425
SEG-XXX-BMB-DG (xxx=285-350, in steps of 5)					
SEG-285-BMB-DG	38.7	32.3	9.31	8.83	285
SEG-290-BMB-DG	39.0	32.6	9.39	8.90	290
SEG-295-BMB-DG	39.3	32.9	9.46	8.97	295
SEG-300-BMB-DG	39.6	33.2	9.54	9.04	300
SEG-305-BMB-DG	39.9	33.5	9.61	9.11	305
SEG-310-BMB-DG	40.2	33.8	9.68	9.18	310
SEG-315-BMB-DG	40.5	34.1	9.75	9.24	315
SEG-320-BMB-DG	40.7	34.3	9.84	9.33	320
SEG-325-BMB-DG	40.9	34.5	9.93	9.43	325
SEG-330-BMB-DG	41.1	34.7	10.02	9.52	330
SEG-335-BMB-DG	41.3	33.3	10.65	10.05	335
SEG-340-BMB-DG	41.5	33.4	10.76	10.16	340
SEG-345-BMB-DG	41.6	33.6	10.87	10.27	345
SEG-350-BMB-DG	41.8	33.8	10.98	10.36	350
SEG-XXX-BPA-DG (xxx=320-360, in steps of 5)					



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SEG-320-BPA-DG	46.4	37.7	8.8	8.5	320
SEG-325-BPA-DG	46.7	38.0	8.9	8.6	325
SEG-330-BPA-DG	46.9	38.2	9.0	8.7	330
SEG-335-BPA-DG	47.1	38.4	9.1	8.7	335
SEG-340-BPA-DG	47.3	38.6	9.2	8.8	340
SEG-345-BPA-DG	47.5	38.8	9.2	8.9	345
SEG-350-BPA-DG	47.8	39.1	9.3	9.0	350
SEG-355-BPA-DG	47.9	39.2	9.4	9.1	355
SEG-360-BPA-DG	48.1	39.4	9.5	9.1	360
SEG-XXX-BPB-DG (xxx=270-300, in steps of 5)					
SEG-270-BPB-DG	38.9	31.6	8.9	8.6	270
SEG-275-BPB-DG	39.2	31.8	9.0	8.7	275
SEG-280-BPB-DG	39.5	32.1	9.1	8.7	280
SEG-285-BPB-DG	39.7	32.3	9.2	8.8	285
SEG-290-BPB-DG	40.0	32.6	9.2	8.9	290
SEG-295-BPB-DG	40.2	32.8	9.3	9.0	295
SEG-300-BPB-DG	40.4	33.0	9.4	9.1	300
SEG-XXX-BMA-HV (XXX=385 to 460)					
SEG-385-BMA-HV	48.5	41.00	9.87	9.40	385
SEG-390-BMA-HV	48.7	41.20	9.95	9.47	390
SEG-395-BMA-HV	48.9	41.40	10.03	9.55	395
SEG-400-BMA-HV	49.1	41.60	10.10	9.62	400
SEG-405-BMA-HV	49.4	41.90	10.15	9.67	405
SEG-410-BMA-HV	49.6	42.10	10.23	9.74	410
SEG-415-BMA-HV	49.8	42.30	10.30	9.82	415
SEG-420-BMA-HV	48.9	40.70	10.97	10.32	420
SEG-425-BMA-HV	49.2	40.90	11.04	10.40	425
SEG-430-BMA-HV	49.4	41.10	11.11	10.47	430
SEG-435-BMA-HV	49.6	41.30	11.18	10.54	435
SEG-440-BMA-HV	49.7	41.40	11.27	10.63	440
SEG-445-BMA-HV	49.9	41.60	11.34	10.70	445
SEG-450-BMA-HV	50.1	41.80	11.42	10.77	450
SEG-455-BMA-HV	50.3	42.00	11.49	10.84	455
SEG-460-BMA-HV	50.5	42.20	11.57	10.91	460
SEG-XXX-BMB-HV (XXX=320 to 380)					
SEG-320-BMB-HV	40.4	34.0	9.93	9.42	320
SEG-325-BMB-HV	40.6	34.2	10.02	9.51	325
SEG-330-BMB-HV	40.8	34.4	10.11	9.6	330
SEG-335-BMB-HV	41.0	34.6	10.20	9.69	335
SEG-340-BMB-HV	41.1	34.7	10.32	9.80	340



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SEG-345-BMB-HV	40.6	33.6	10.87	10.27	345
SEG-350-BMB-HV	40.8	33.8	10.98	10.36	350
SEG-355-BMB-HV	41.0	34.0	11.08	10.45	355
SEG-360-BMB-HV	41.2	34.2	11.16	10.53	360
SEG-365-BMB-HV	41.4	34.4	11.26	10.62	365
SEG-370-BMB-HV	41.6	34.6	11.34	10.70	370
SEG-375-BMB-HV	41.8	34.8	11.42	10.79	375
SEG-380-BMB-HV	42.0	35.0	11.50	10.87	380
SEG-XXX-6MA-HV (XXX=350 to 400)					
SEG-350-6MA-HV	47.8	38.1	9.47	9.19	350
SEG-355-6MA-HV	48.0	38.3	9.55	9.27	355
SEG-360-6MA-HV	48.2	38.5	9.64	9.36	360
SEG-365-6MA-HV	48.4	38.7	9.72	9.44	365
SEG-370-6MA-HV	48.6	38.9	9.80	9.52	370
SEG-375-6MA-HV	48.8	39.1	9.88	9.60	375
SEG-380-6MA-HV	49.1	39.4	9.93	9.65	380
SEG-385-6MA-HV	49.4	39.7	9.98	9.70	385
SEG-390-6MA-HV	49.7	40.0	10.05	9.77	390
SEG-395-6MA-HV	49.9	40.2	10.11	9.83	395
SEG-400-6MA-HV	50.1	40.5	10.24	9.88	400
SEG-XXX-6MB-HV (XXX=295 to 330)					
SEG-295-6MB-HV	40.0	31.9	9.53	9.25	295
SEG-300-6MB-HV	40.2	32.1	9.63	9.35	300
SEG-305-6MB-HV	40.4	32.3	9.73	9.45	305
SEG-310-6MB-HV	40.7	32.6	9.79	9.51	310
SEG-315-6MB-HV	40.9	32.8	9.89	9.61	315
SEG-320-6MB-HV	41.1	33.0	9.98	9.70	320
SEG-325-6MB-HV	41.3	33.2	10.07	9.79	325
SEG-330-6MB-HV	41.6	33.5	10.14	9.86	330
SEG-XXX-BMZ-HV (XXX=425 to 450)					
SEG-425-BMZ-HV	52.1	43.8	10.31	9.71	425
SEG-430-BMZ-HV	52.2	43.9	10.40	9.80	430
SEG-435-BMZ-HV	52.4	44.1	10.47	9.87	435
SEG-440-BMZ-HV	52.6	44.3	10.53	9.93	440
SEG-445-BMZ-HV	52.7	44.4	10.64	10.03	445
SEG-450-BMZ-HV	52.9	44.6	10.70	10.09	450
SEG-XXX-BMZ-BG (XXX=425 to 450)					
SEG-425-BMZ-BG	52.1	43.8	10.31	9.71	425
SEG-430-BMZ-BG	52.2	43.9	10.40	9.80	430
SEG-435-BMZ-BG	52.4	44.1	10.47	9.87	435



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Model	Open Circuit Voltage at STC(V dc)	Rated Voltage at STC(V dc)	Short Circuit Current at STC(A dc)	Rated Current at STC(A dc)	Rated Maximum Power at STC(Watts)
SEG-440-BMZ-BG	52.6	44.3	10.53	9.93	440
SEG-445-BMZ-BG	52.7	44.4	10.64	10.03	445
SEG-450-BMZ-BG	52.9	44.6	10.70	10.09	450
SEG-XXX-BMA-BG (XXX=500 to 550) (for 182mm cell only)					
SEG-500-BMA-BG	48.72	39.48	13.01	12.68	500
SEG-505-BMA-BG	48.81	39.74	13.10	12.72	505
SEG-510-BMA-BG	48.90	40.00	13.20	12.76	510
SEG-515-BMA-BG	49.01	40.26	13.30	12.80	515
SEG-520-BMA-BG	49.10	40.52	13.41	12.84	520
SEG-525-BMA-BG	49.20	40.78	13.50	12.88	525
SEG-530-BMA-BG	49.33	41.03	13.60	12.92	530
SEG-535-BMA-BG	49.40	41.29	13.70	12.96	535
SEG-540-BMA-BG	49.50	41.55	13.81	13.00	540
SEG-545-BMA-BG	49.60	41.81	13.91	13.04	545
SEG-550-BMA-BG	49.70	42.07	14.01	13.08	550
SEG-XXX-BMB-BG (XXX=415 to 460) (for 182mm cell only)					
SEG-415-BMB-BG	40.62	33.55	13.06	12.39	415
SEG-420-BMB-BG	40.72	33.63	13.16	12.51	420
SEG-425-BMB-BG	40.82	33.77	13.25	12.61	425
SEG-430-BMB-BG	40.92	33.85	13.36	12.72	430
SEG-435-BMB-BG	41.01	33.98	13.45	12.82	435
SEG-440-BMB-BG	41.12	34.08	13.56	12.92	440
SEG-445-BMB-BG	41.22	34.18	13.66	13.03	445
SEG-450-BMB-BG	41.32	34.28	13.76	13.13	450
SEG-455-BMB-BG	41.42	34.39	13.86	13.24	455
SEG-460-BMB-BG	41.52	34.49	13.96	13.34	460
SEG-XXX-BMC-BG (XXX=455 to 505) (for 182mm cell only)					
SEG-455-BMC-BG	44.62	36.87	12.98	12.35	455
SEG-460-BMC-BG	44.72	36.96	13.08	12.45	460
SEG-465-BMC-BG	44.82	37.07	13.18	12.56	465
SEG-470-BMC-BG	44.92	37.17	13.28	12.65	470
SEG-475-BMC-BG	45.02	37.28	13.38	12.75	475
SEG-480-BMC-BG	45.10	37.38	13.48	12.85	480
SEG-485-BMC-BG	45.22	37.48	13.58	12.95	485
SEG-490-BMC-BG	45.32	37.59	13.68	13.05	490
SEG-495-BMC-BG	45.43	37.70	13.79	13.15	495
SEG-500-BMC-BG	45.53	37.81	13.89	13.25	500
SEG-505-BMC-BG	45.64	37.91	14.00	13.34	505
SEG-XXX-BMD-BG (XXX=370 to 415) (for 182mm cell only)					
SEG-370-BMD-BG	36.50	30.12	13.00	12.31	370



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SEG-375-BMD-BG	36.60	30.24	13.11	12.42	375
SEG-380-BMD-BG	36.70	30.35	13.20	12.54	380
SEG-385-BMD-BG	36.80	30.45	13.31	12.66	385
SEG-390-BMD-BG	36.90	30.59	13.40	12.78	390
SEG-395-BMD-BG	37.01	30.69	13.50	12.88	395
SEG-400-BMD-BG	37.12	30.81	13.60	12.99	400
SEG-405-BMD-BG	37.22	30.93	13.70	13.10	405
SEG-410-BMD-BG	37.32	31.05	13.80	13.21	410
SEG-415-BMD-BG	37.42	31.17	13.90	13.32	415
SEG-XXX-BMA-HV (XXX=500 to 550) (for 182mm cell only)					
SEG-500-BMA-HV	48.72	39.48	13.01	12.68	500
SEG-505-BMA-HV	48.81	39.74	13.10	12.72	505
SEG-510-BMA-HV	48.90	40.00	13.20	12.76	510
SEG-515-BMA-HV	49.01	40.26	13.30	12.80	515
SEG-520-BMA-HV	49.10	40.52	13.41	12.84	520
SEG-525-BMA-HV	49.20	40.78	13.50	12.88	525
SEG-530-BMA-HV	49.33	41.03	13.60	12.92	530
SEG-535-BMA-HV	49.40	41.29	13.70	12.96	535
SEG-540-BMA-HV	49.50	41.55	13.81	13.00	540
SEG-545-BMA-HV	49.60	41.81	13.91	13.04	545
SEG-550-BMA-HV	49.70	42.07	14.01	13.08	550
SEG-XXX-BMB-HV (XXX=415 to 460) (for 182mm cell only)					
SEG-415-BMB-HV	40.62	33.55	13.06	12.39	415
SEG-420-BMB-HV	40.72	33.63	13.16	12.51	420
SEG-425-BMB-HV	40.82	33.77	13.25	12.61	425
SEG-430-BMB-HV	40.92	33.85	13.36	12.72	430
SEG-435-BMB-HV	41.01	33.98	13.45	12.82	435
SEG-440-BMB-HV	41.12	34.08	13.56	12.92	440
SEG-445-BMB-HV	41.22	34.18	13.66	13.03	445
SEG-450-BMB-HV	41.32	34.28	13.76	13.13	450
SEG-455-BMB-HV	41.42	34.39	13.86	13.24	455
SEG-460-BMB-HV	41.52	34.49	13.96	13.34	460
SEG-XXX-BMC-HV (XXX=455 to 505) (for 182mm cell only)					
SEG-455-BMC-HV	44.62	36.87	12.98	12.35	455
SEG-460-BMC-HV	44.72	36.96	13.08	12.45	460
SEG-465-BMC-HV	44.82	37.07	13.18	12.56	465
SEG-470-BMC-HV	44.92	37.17	13.28	12.65	470
SEG-475-BMC-HV	45.02	37.28	13.38	12.75	475
SEG-480-BMC-HV	45.10	37.38	13.48	12.85	480
SEG-485-BMC-HV	45.22	37.48	13.58	12.95	485



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Model	Open Circuit Voltage at STC(V dc)	Rated Voltage at STC(V dc)	Short Circuit Current at STC(A dc)	Rated Current at STC(A dc)	Rated Maximum Power at STC(Watts)
SEG-490-BMC-HV	45.32	37.59	13.68	13.05	490
SEG-495-BMC-HV	45.43	37.70	13.79	13.15	495
SEG-500-BMC-HV	45.53	37.81	13.89	13.25	500
SEG-505-BMC-HV	45.64	37.91	14.00	13.34	505
SEG-XXX-BMD-HV (XXX=370 to 415) (for 182mm cell only)					
SEG-370-BMD-HV	36.50	30.12	13.00	12.31	370
SEG-375-BMD-HV	36.60	30.24	13.11	12.42	375
SEG-380-BMD-HV	36.70	30.35	13.20	12.54	380
SEG-385-BMD-HV	36.80	30.45	13.31	12.66	385
SEG-390-BMD-HV	36.90	30.59	13.40	12.78	390
SEG-395-BMD-HV	37.01	30.69	13.50	12.88	395
SEG-400-BMD-HV	37.12	30.81	13.60	12.99	400
SEG-405-BMD-HV	37.22	30.93	13.70	13.10	405
SEG-410-BMD-HV	37.32	31.05	13.80	13.21	410
SEG-415-BMD-HV	37.42	31.17	13.90	13.32	415
SEG-XXX-BMA-TB (XXX=385 to 460)					
SEG-385-BMA-TB	48.5	41.00	9.87	9.40	385
SEG-390-BMA-TB	48.7	41.20	9.95	9.47	390
SEG-395-BMA-TB	48.9	41.40	10.03	9.55	395
SEG-400-BMA-TB	49.1	41.60	10.10	9.62	400
SEG-405-BMA-TB	49.4	41.90	10.15	9.67	405
SEG-410-BMA-TB	49.6	42.10	10.23	9.74	410
SEG-415-BMA-TB	49.8	42.30	10.30	9.82	415
SEG-420-BMA-TB	48.9	40.70	10.97	10.32	420
SEG-425-BMA-TB	49.2	40.90	11.04	10.40	425
SEG-430-BMA-TB	49.4	41.10	11.11	10.47	430
SEG-435-BMA-TB	49.6	41.30	11.18	10.54	435
SEG-440-BMA-TB	49.7	41.40	11.27	10.63	440
SEG-445-BMA-TB	49.9	41.60	11.34	10.70	445
SEG-450-BMA-TB	50.1	41.80	11.42	10.77	450
SEG-455-BMA-TB	50.3	42.00	11.49	10.84	455
SEG-460-BMA-TB	50.5	42.20	11.57	10.91	460
SEG-XXX-BMB-TB (XXX=320 to 380)					
SEG-320-BMB-TB	40.4	34.0	9.93	9.42	320
SEG-325-BMB-TB	40.6	34.2	10.02	9.51	325
SEG-330-BMB-TB	40.8	34.4	10.11	9.6	330
SEG-335-BMB-TB	41.0	34.6	10.20	9.69	335
SEG-340-BMB-TB	41.1	34.7	10.32	9.80	340
SEG-345-BMB-TB	40.6	33.6	10.87	10.27	345
SEG-350-BMB-TB	40.8	33.8	10.98	10.36	350



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Model	Open Circuit Voltage at STC(V dc)	Rated Voltage at STC(V dc)	Short Circuit Current at STC(A dc)	Rated Current at STC(A dc)	Rated Maximum Power at STC(Watts)
SEG-355-BMB-TB	41.0	34.0	11.08	10.45	355
SEG-360-BMB-TB	41.2	34.2	11.16	10.53	360
SEG-365-BMB-TB	41.4	34.4	11.26	10.62	365
SEG-370-BMB-TB	41.6	34.6	11.34	10.70	370
SEG-375-BMB-TB	41.8	34.8	11.42	10.79	375
SEG-380-BMB-TB	42.0	35.0	11.50	10.87	380
SEG-XXX-6MA-TB (XXX=350 to 400)					
SEG-350-6MA-TB	47.8	38.1	9.47	9.19	350
SEG-355-6MA-TB	48.0	38.3	9.55	9.27	355
SEG-360-6MA-TB	48.2	38.5	9.64	9.36	360
SEG-365-6MA-TB	48.4	38.7	9.72	9.44	365
SEG-370-6MA-TB	48.6	38.9	9.80	9.52	370
SEG-375-6MA-TB	48.8	39.1	9.88	9.60	375
SEG-380-6MA-TB	49.1	39.4	9.93	9.65	380
SEG-385-6MA-TB	49.4	39.7	9.98	9.70	385
SEG-390-6MA-TB	49.7	40.0	10.05	9.77	390
SEG-395-6MA-TB	49.9	40.2	10.11	9.83	395
SEG-400-6MA-TB	50.1	40.5	10.24	9.88	400
SEG-XXX-6MB-TB (XXX=295 to 330)					
SEG-295-6MB-TB	40.0	31.9	9.53	9.25	295
SEG-300-6MB-TB	40.2	32.1	9.63	9.35	300
SEG-305-6MB-TB	40.4	32.3	9.73	9.45	305
SEG-310-6MB-TB	40.7	32.6	9.79	9.51	310
SEG-315-6MB-TB	40.9	32.8	9.89	9.61	315
SEG-320-6MB-TB	41.1	33.0	9.98	9.70	320
SEG-325-6MB-TB	41.3	33.2	10.07	9.79	325
SEG-330-6MB-TB	41.6	33.5	10.14	9.86	330
SEG-XXX-BMZ-TB (XXX=425 to 450)					
SEG-425-BMZ-TB	52.1	43.8	10.31	9.71	425
SEG-430-BMZ-TB	52.2	43.9	10.40	9.80	430
SEG-435-BMZ-TB	52.4	44.1	10.47	9.87	435
SEG-440-BMZ-TB	52.6	44.3	10.53	9.93	440
SEG-445-BMZ-TB	52.7	44.4	10.64	10.03	445
SEG-450-BMZ-TB	52.9	44.6	10.70	10.09	450
SEG-XXX-BMA-TB (XXX=500 to 550) (for 182mm cell only)					
SEG-500-BMA-TB	48.72	39.48	13.01	12.68	500
SEG-505-BMA-TB	48.81	39.74	13.10	12.72	505
SEG-510-BMA-TB	48.90	40.00	13.20	12.76	510
SEG-515-BMA-TB	49.01	40.26	13.30	12.80	515
SEG-520-BMA-TB	49.10	40.52	13.41	12.84	520



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Model	Open Circuit Voltage at STC(V dc)	Rated Voltage at STC(V dc)	Short Circuit Current at STC(A dc)	Rated Current at STC(A dc)	Rated Maximum Power at STC(Watts)
SEG-525-BMA-TB	49.20	40.78	13.50	12.88	525
SEG-530-BMA-TB	49.33	41.03	13.60	12.92	530
SEG-535-BMA-TB	49.40	41.29	13.70	12.96	535
SEG-540-BMA-TB	49.50	41.55	13.81	13.00	540
SEG-545-BMA-TB	49.60	41.81	13.91	13.04	545
SEG-550-BMA-TB	49.70	42.07	14.01	13.08	550
SEG-XXX-BMB-TB (XXX=415 to 460) (for 182mm cell only)					
SEG-415-BMB-TB	40.62	33.55	13.06	12.39	415
SEG-420-BMB-TB	40.72	33.63	13.16	12.51	420
SEG-425-BMB-TB	40.82	33.77	13.25	12.61	425
SEG-430-BMB-TB	40.92	33.85	13.36	12.72	430
SEG-435-BMB-TB	41.01	33.98	13.45	12.82	435
SEG-440-BMB-TB	41.12	34.08	13.56	12.92	440
SEG-445-BMB-TB	41.22	34.18	13.66	13.03	445
SEG-450-BMB-TB	41.32	34.28	13.76	13.13	450
SEG-455-BMB-TB	41.42	34.39	13.86	13.24	455
SEG-460-BMB-TB	41.52	34.49	13.96	13.34	460
SEG-XXX-BMC-TB (XXX=455 to 505) (for 182mm cell only)					
SEG-455-BMC-TB	44.62	36.87	12.98	12.35	455
SEG-460-BMC-TB	44.72	36.96	13.08	12.45	460
SEG-465-BMC-TB	44.82	37.07	13.18	12.56	465
SEG-470-BMC-TB	44.92	37.17	13.28	12.65	470
SEG-475-BMC-TB	45.02	37.28	13.38	12.75	475
SEG-480-BMC-TB	45.10	37.38	13.48	12.85	480
SEG-485-BMC-TB	45.22	37.48	13.58	12.95	485
SEG-490-BMC-TB	45.32	37.59	13.68	13.05	490
SEG-495-BMC-TB	45.43	37.70	13.79	13.15	495
SEG-500-BMC-TB	45.53	37.81	13.89	13.25	500
SEG-505-BMC-TB	45.64	37.91	14.00	13.34	505
SEG-XXX-BMD-TB (XXX=370 to 415) (for 182mm cell only)					
SEG-370-BMD-TB	36.50	30.12	13.00	12.31	370
SEG-375-BMD-TB	36.60	30.24	13.11	12.42	375
SEG-380-BMD-TB	36.70	30.35	13.20	12.54	380
SEG-385-BMD-TB	36.80	30.45	13.31	12.66	385
SEG-390-BMD-TB	36.90	30.59	13.40	12.78	390
SEG-395-BMD-TB	37.01	30.69	13.50	12.88	395
SEG-400-BMD-TB	37.12	30.81	13.60	12.99	400
SEG-405-BMD-TB	37.22	30.93	13.70	13.10	405
SEG-410-BMD-TB	37.32	31.05	13.80	13.21	410
SEG-415-BMD-TB	37.42	31.17	13.90	13.32	415

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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





Supplement to Certificate of Compliance

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Master Contract: 270178

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
80104298	2021-12-03	Update report 80034037 to add new cell type ISS-182M10SB made by IMPERIAL STAR SOLAR (CAMBODIA) CO., LTD. for double glass model series (BG&DG).
80104302	2021-12-03	Update report 80034037 to add new factory IMPERIAL STAR SOLAR (CAMBODIA) CO., LTD., add a new cell type ISS-182M10SB made by IMPERIAL STAR SOLAR (CAMBODIA) CO., LTD. for single glass model series (BMA/BMB/BMC/BMD-BG/HV/TB).
80087455	2021-09-15	Update report 80034037 to add new factory IREX ENERGY JOINT STOCK COMPANY.
80070871	2021-08-30	Update report 80034037 to add new TB model series with substrate type FFC-JW30M(plus), change the encapsulation manufacturer name as (Changzhou Betterial Film Technologies Co., Ltd.), add a new size for BMA-HV and BMA-BG series, CTC initial lab assessment, HY annually lab assessment.
80096066	2021-08-24	Update report 80034037 to add refresh the factory listing for ENALEX ENERGY (KH) CO., LTD.
80087454	2021-07-29	Update report 80034037 to add new factory HOUNEN SOLAR INC CO., LTD.
80090282	2021-07-29	Update report 80034037 to add new factory ENALEX ENERGY (KH) CO., LTD, revised the model name of SRP-XXX-BMA/BMB/BMC/BMD-BG, SRP-XXX-BMA/BMB/BMC/BMD-HV series as client information, add a new connector (RHC2xyzu) for FT50xy series.
80066155	2021-06-29	Update report 80034037 to add new cell (UN-166MT3-967), add new 2.0mm spec for superstrate & substrate, new POE (B602M), add new 0.32 mm cell ribbon with three new manufacturers (Sanysolar, Greateen, Tongcheng), add one new frame manufacturer (Kaihong), add new junction box & frame adhesive (HT906Z), add potting material (5299W-S) for FT50xy.
80059383	2021-06-29	Update report 80034037 to add new substrate MP Sheet PF D15, Seraphim lab assessment.
80078854	2021-06-08	Update report 80034037 to add new factory SHENGTIAN NEW ENERGY.
80083282	2021-05-28	Update report 80034037 to add new factory Sunshine Electrical Energy.
80068403	2021-01-28	Update report 80034037 to add new factory JINTEK, update the standard date.



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80065713	2021-01-07	Update report 80034037 to add a new cell with SRP-XXX-BMA-HV, SRP-XXX-BMB-HV, SRP-XXX-BMC-HV and SRP-XXX-BMD-HV series, extend the power rating for SRP-XXX-BMA-BG, SRP-XXX-BMB-BG, SRP-XXX-BMC-BG and SRP-XXX-BMD-BG series.
80059382	2021-01-07	Update report 80034037 to reduce the spacing and update a new module dimension size for SEG-xxx-BMA-BG and SEG-xxx-BMB-BG series.
80059381	2021-01-07	Update report 80034037 to reduce the spacing and update a new module dimension size for SEG-xxx-BMA-HV and SEG-xxx-BMB-HV series.
80036789	2020-12-24	Update report 80034037 to add new cell (SRP-C-7M-6B), extend the power rating for BMA-DG and BMB-DG series.
80066154	2020-12-24	Update report 80034037 to add new factory VESOLAR COMPANY LIMIED.
80065714	2020-12-24	Update report 80034037 to add new cell (SRP-C-8M-10) for SRP-xxx-BMA-BG, SRP-xxx-BMB-BG, SRP-XXX-BMC-BG and SRP-XXX-BMD-BG series, add a new Cross connector 5.0 * 0.35mm.
80065712	2020-12-24	Update report 80034037 to add new cell (SRP-C-7M-9B) for SEG-xxx-6MA-BG and SEG-xxx-6MB-BG and SEG-xxx-BMA-BG and SEG-xxx-BMB-BG series, revised the address information on the CoFC.
80061013	2020-11-02	Update report 80034037 to add three new frame-manufacturer (XinXu, Xuye), add the new frame material type (6063-T6), add new module size for BMA-HV, 6MA-HV and BMZ-HV series.
80052757	2020-08-17	Update report 80034037 to add new factory (DEHUI SOLAR POWER(VIETNAM) COMPANY CO., LTD - Lot No C8-5, C8-6, C8-7, C8-8 Dai DongIndustrial Zone-Hoan Son, Hoan Son Commune, Tien Du District, Bac Ninh Province, Vietnam).
80048177	2020-07-27	Update report 80034037 to add new series BMZ-BG (5BB, 9BB).
80048176	2020-07-27	Update report 80034037 to add new series BMZ-HV (5BB, 9BB).
80048175	2020-07-27	Update report 80034037 to add new cell (SRP-C-6M-5, SRP-C-6M-9, SRP-C-7M-9) with the new model series 6MA-HV and 6MB-HV, add new interconnection ribbon manufacturer with same material spec (Greateen, Beida, Sunnywell), add new cross connectors manufacturer (Sunnywell, Beida).
80036788	2020-06-30	Update report 80034037 to add new cell (SRP-C-7M-B bifacial) and extend the power rating for series SEG-XXX-BMA-BG and SEG-XXX- BMB-BG, add a new cross connectors factory (ChangZhou Greateen New Energy Technology Co., Ltd).
80036785	2020-06-12	Update report 80034037 to add new series SEG-XXX-BMA-HV and SEG-XXX-BMB-HV with new superstrate made by FLAT GLASS GROUP CO., LTD, a new cell type SRP-C-7M, new busbar design, new EVA B601HP& B601P, new substrate type Cynagard 2X5A(R), new junction box type FT50xy, revised the fire type according the new standard requirement.



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80034037 2020-02-17 Original certificate, full investigation for model series SEG-XXX-6MA/6MB/6PA/6PB/BMA/BMB/BPA/BPB.