



CERTIFICATE OF PRODUCT CERTIFICATION

SOLAR PRODUCT CERTIFICATE

CERTIFICATE NO.: CQC21024284886

Valid from: Jul.12,2023

Valid until:long-term

NAME AND REGISTERED ADDRESS OF THE APPLICANT	Chinaland Solar Energy Co.,Ltd Feidong New Town Development Zone,Hefei City in Anhui province
NAME AND REGISTERED ADDRESS OF THE MANUFACTURER	Chinaland Solar Energy Co.,Ltd Feidong New Town Development Zone,Hefei City in Anhui province
NAME AND LOCATION OF THE FACTORY	Chinaland Solar Energy Co.,Ltd No. 7 Linqun East Road, Feidong Economic Development Zone, Hefei City, Anhui Province
PRODUCT NAME, MODEL AND SPECIFICATION	Mono Crystalline Silicon Photovoltaic (PV) Module(s) See Appendix
THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS	IEC 61730-1:2016;IEC61730-2:2016
TYPE OF CERTIFICATION SCHEMES	Type Testing of Product + Initial Factory Inspection + Follow up Factory Inspection

This is to certify that the above mentioned product(s) complies with the requirements of certification rules of CQC33-471541-2017.

Date of original issued: Feb.23,2021

The validity of the certificate is subject to positive result of the regular follow up inspection by issuing certification body.

The certificate information is available through the QR code below or CNCA's website: www.cnca.gov.cn



SIGNATURE:

谢肇煦



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组件型号	Voc [V]	Vmp [V]	Isc [A]	Imp [A]	Pmax [W]	系统电压 [V]	额定熔断电流[A]
SUN420-72M-H6	48.7±5%	40.2	10.92±5%	10.45	420±5%	1500	20
SUN425-72M-H6	48.9±5%	40.4	10.99±5%	10.52	425±5%	1500	20
SUN430-72M-H6	49.1±5%	40.6	11.07±5%	10.59	430±5%	1500	20
SUN435-72M-H6	49.2±5%	40.8	11.14±5%	10.66	435±5%	1500	20
SUN440-72M-H6	49.4±5%	41	11.21±5%	10.73	440±5%	1500	20
SUN445-72M-H6	49.7±5%	41.2	11.29±5%	10.8	445±5%	1500	20
SUN450-72M-H6	50.0±5%	41.4	11.36±5%	10.87	450±5%	1500	20
SUN455-72M-H6	50.3±5%	41.6	11.43±5%	10.94	455±5%	1500	20
SUN460-72M-H6	50.6±5%	41.8	11.50±5%	11.01	460±5%	1500	20
SUN465-72M-H6	50.9±5%	42	11.57±5%	11.07	465±5%	1500	20
SUN400-66M-H6	45.3±5%	37.4	11.18±5%	10.7	400±5%	1500	20
SUN405-66M-H6	45.6±5%	37.6	11.25±5%	10.77	405±5%	1500	20
SUN410-66M-H6	45.9±5%	37.8	11.34±5%	10.85	410±5%	1500	20
SUN415-66M-H6	46.2±5%	38	11.41±5%	10.92	415±5%	1500	20
SUN420-66M-H6	46.5±5%	38.2	11.49±5%	10.99	420±5%	1500	20

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SUN425-66M-H6	46.8±5%	38.4	11.57±5%	11.07	425±5%	1500	20
SUN350-60M-H6	40.3±5%	33.6	10.89±5%	10.42	350±5%	1500	20
SUN355-60M-H6	40.6±5%	33.8	10.99±5%	10.5	355±5%	1500	20
SUN360-60M-H6	40.9±5%	34	11.08±5%	10.59	360±5%	1500	20
SUN365-60M-H6	41.1±5%	34.2	11.16±5%	10.67	365±5%	1500	20
SUN370-60M-H6	41.3±5%	34.4	11.26±5%	10.76	370±5%	1500	20
SUN375-60M-H6	41.5±5%	34.6	11.34±5%	10.84	375±5%	1500	20
SUN380-60M-H6	41.7±5%	34.8	11.42±5%	10.92	380±5%	1500	20
SUN385-60M-H6	42.0±5%	35	11.51±5%	11	385±5%	1500	20
SUN435-78M-HFD	53.5±5%	43.8	10.48±5%	9.93	435±5%	1500	20
SUN440-78M-HFD	53.8±5%	43.9	10.57±5%	10.02	440±5%	1500	20
SUN445-78M-HFD	54.1±5%	44.1	10.64±5%	10.09	445±5%	1500	20
SUN450-78M-HFD	54.4±5%	44.3	10.71±5%	10.16	450±5%	1500	20
SUN455-78M-HFD	54.7±5%	44.5	10.77±5%	10.22	455±5%	1500	20
SUN460-78M-HFD	55.0±5%	44.7	10.84±5%	10.29	460±5%	1500	20
SUN400-72M-HF	49.7±5%	40.6	10.31±5%	9.85	400±5%	1500	20
SUN405-72M-HF	49.9±5%	40.8	10.40±5%	9.93	405±5%	1500	20

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SUN410-72M-HF	50.2±5%	41	10.47±5%	10	410±5%	1500	20
SUN415-72M-HF	50.4±5%	41.2	10.56±5%	10.07	415±5%	1500	20
SUN420-72M-HF	50.7±5%	41.4	10.64±5%	10.15	420±5%	1500	20
SUN425-72M-HF	51.0±5%	41.6	10.71±5%	10.22	425±5%	1500	20
SUN330-60M-HF	41.6±5%	33.8	10.30±5%	9.76	330±5%	1500	20
SUN335-60M-HF	41.8±5%	34	10.39±5%	9.85	335±5%	1500	20
SUN340-60M-HF	42.0±5%	34.2	10.48±5%	9.94	340±5%	1500	20
SUN345-60M-HF	42.3±5%	34.4	10.57±5%	10.03	345±5%	1500	20
SUN350-60M-HF	42.5±5%	34.6	10.66±5%	10.12	350±5%	1500	20
SUN525-72M-H8	49.2±5%	41.4	13.51±5%	12.68	525±5%	1500	25
SUN530-72M-H8	49.4±5%	41.6	13.58±5%	12.75	530±5%	1500	25
SUN535-72M-H8	49.6±5%	41.8	13.63±5%	12.8	535±5%	1500	25
SUN540-72M-H8	49.8±5%	42	13.70±5%	12.86	540±5%	1500	25
SUN545-72M-H8	50.0±5%	42.2	13.76±5%	12.92	545±5%	1500	25
SUN550-72M-H8	50.2±5%	42.4	13.82±5%	12.98	550±5%	1500	25
SUN555-72M-H8	50.5±5%	42.6	13.88±5%	13.03	555±5%	1500	25
SUN560-72M-H8	50.7±5%	42.8	13.94±5%	13.09	560±5%	1500	25

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SUN480-66M-H8	45.1±5%	37.9	13.50±5%	12.67	480±5%	1500	25
SUN485-66M-H8	45.3±5%	38.1	13.57±5%	12.73	485±5%	1500	25
SUN490-66M-H8	45.5±5%	38.3	13.64±5%	12.8	490±5%	1500	25
SUN495-66M-H8	45.7±5%	38.5	13.69±5%	12.86	495±5%	1500	25
SUN500-66M-H8	45.9±5%	38.7	13.76±5%	12.92	500±5%	1500	25
SUN505-66M-H8	46.1±5%	38.9	13.82±5%	12.98	505±5%	1500	25
SUN510-66M-H8	46.4±5%	39.1	13.89±5%	13.05	510±5%	1500	25
SUN440-60M-H8	41.2±5%	34.6	13.55±5%	12.72	440±5%	1500	25
SUN445-60M-H8	41.4±5%	34.8	13.63±5%	12.79	445±5%	1500	25
SUN450-60M-H8	41.6±5%	35	13.70±5%	12.86	450±5%	1500	25
SUN455-60M-H8	41.8±5%	35.2	13.77±5%	12.93	455±5%	1500	25
SUN460-60M-H8	42.0±5%	35.4	13.85±5%	13	460±5%	1500	25
SUN465-60M-H8	42.3±5%	35.6	13.91±5%	13.06	465±5%	1500	25
SUN390-54M-H8	36.7±5%	30.7	13.54±5%	12.71	390±5%	1500	25
SUN395-54M-H8	36.9±5%	30.9	13.62±5%	12.79	395±5%	1500	25
SUN400-54M-H8	37.1±5%	31.1	13.70±5%	12.86	400±5%	1500	25
SUN405-54M-H8	37.4±5%	31.3	13.77±5%	12.94	405±5%	1500	25

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SUN410-54M-H8	37.6±5%	31.5	13.85±5%	13.02	410±5%	1500	25
SUN415-54M-H8	37.9±5%	31.7	13.93±5%	13.09	415±5%	1500	25
SUN420-54M-H8	38.1±5%	31.9	14.01±5%	13.17	420±5%	1500	25
SUN640-66M-H12	44.8±5%	37.2	18.21±5%	17.2	640±5%	1500	30
SUN645-66M-H12	45.0±5%	37.3	18.32±5%	17.3	645±5%	1500	30
SUN650-66M-H12	45.2±5%	37.5	18.35±5%	17.34	650±5%	1500	30
SUN655-66M-H12	45.4±5%	37.7	18.39±5%	17.38	655±5%	1500	30
SUN660-66M-H12	45.6±5%	37.9	18.44±5%	17.42	660±5%	1500	30
SUN665-66M-H12	45.8±5%	38.1	18.48±5%	17.46	665±5%	1500	30
SUN670-66M-H12	46.0±5%	38.3	18.51±5%	17.5	670±5%	1500	30
SUN675-66M-H12	46.2±5%	38.5	18.57±5%	17.53	675±5%	1500	30
SUN580-60M-H12	40.7±5%	33.8	18.18±5%	17.16	580±5%	1500	30
SUN585-60M-H12	40.9±5%	33.9	18.29±5%	17.26	585±5%	1500	30
SUN590-60M-H12	41.1±5%	34.1	18.33±5%	17.3	590±5%	1500	30
SUN595-60M-H12	41.3±5%	34.2	18.43±5%	17.4	595±5%	1500	30
SUN600-60M-H12	41.5±5%	34.3	18.53±5%	17.5	600±5%	1500	30
SUN605-60M-H12	41.7±5%	34.5	18.58±5%	17.54	605±5%	1500	30

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SUN610-60M-H12	41.9±5%	34.7	18.62±5%	17.58	610±5%	1500	30
SUN615-60M-H12	42.1±5%	34.9	18.68±5%	17.63	615±5%	1500	30
SUN520-54M-H12	36.6±5%	30.3	18.19±5%	17.17	520±5%	1500	30
SUN525-54M-H12	36.8±5%	30.5	18.23±5%	17.21	525±5%	1500	30
SUN530-54M-H12	37.0±5%	30.7	18.28±5%	17.27	530±5%	1500	30
SUN535-54M-H12	37.2±5%	30.9	18.33±5%	17.31	535±5%	1500	30
SUN540-54M-H12	37.5±5%	31.1	18.38±5%	17.36	540±5%	1500	30
SUN545-54M-H12	37.7±5%	31.3	18.45±5%	17.42	545±5%	1500	30
SUN550-54M-H12	37.9±5%	31.5	18.49±5%	17.46	550±5%	1500	30
SUN670-66M-H12J	48.7±5%	41.7	17.08±5%	16.07	670±5%	1500	30
SUN675-66M-H12J	49.0±5%	41.9	17.12±5%	16.11	675±5%	1500	30
SUN680-66M-H12J	49.2±5%	42.1	17.17±5%	16.15	680±5%	1500	30
SUN685-66M-H12J	49.4±5%	42.3	17.22±5%	16.2	685±5%	1500	30
SUN690-66M-H12J	49.6±5%	42.5	17.26±5%	16.24	690±5%	1500	30
SUN695-66M-H12J	49.8±5%	42.7	17.31±5%	16.28	695±5%	1500	30
SUN700-66M-H12J	50.0±5%	42.9	17.35±5%	16.32	700±5%	1500	30
SUN610-60M-H12J	44.3±5%	37.9	17.11±5%	16.1	610±5%	1500	30

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SUN615-60M-H12J	44.5±5%	38.1	17.16±5%	16.14	615±5%	1500	30
SUN620-60M-H12J	44.7±5%	38.3	17.21±5%	16.19	620±5%	1500	30
SUN625-60M-H12J	44.9±5%	38.5	17.25±5%	16.23	625±5%	1500	30
SUN630-60M-H12J	45.1±5%	38.7	17.31±5%	16.28	630±5%	1500	30
SUN635-60M-H12J	45.3±5%	38.9	17.35±5%	16.32	635±5%	1500	30
SUN545-54M-H12J	39.8±5%	34.1	17.00±5%	15.99	545±5%	1500	30
SUN550-54M-H12J	40.0±5%	34.3	17.05±5%	16.04	550±5%	1500	30
SUN555-54M-H12J	40.2±5%	34.5	17.11±5%	16.09	555±5%	1500	30
SUN560-54M-H12J	40.4±5%	34.7	17.16±5%	16.14	560±5%	1500	30
SUN565-54M-H12J	40.6±5%	34.9	17.21±5%	16.19	565±5%	1500	30
SUN570-54M-H12J	40.8±5%	35.1	17.26±5%	16.24	570±5%	1500	30
SUN555-72M-H8N	50.57±5%	42.03	13.96±5%	13.21	555±5%	1500	25
SUN560-72M-H8N	50.72±5%	42.18	14.04±5%	13.28	560±5%	1500	25
SUN565-72M-H8N	50.87±5%	42.33	14.11±5%	13.35	565±5%	1500	25
SUN570-72M-H8N	51.02±5%	42.48	14.18±5%	13.42	570±5%	1500	25
SUN575-72M-H8N	51.17±5%	42.63	14.26±5%	13.49	575±5%	1500	25
SUN580-72M-H8N	51.32±5%	42.78	14.33±5%	13.56	580±5%	1500	25

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SUN585-72M-H8N	51.47±5%	42.93	14.39±5%	13.63	585±5%	1500	25
SUN510-66M-H8N	46.38±5%	38.56	13.98±5%	13.23	510±5%	1500	25
SUN515-66M-H8N	46.53±5%	38.71	14.07±5%	13.31	515±5%	1500	25
SUN520-66M-H8N	46.68±5%	38.86	14.14±5%	13.38	520±5%	1500	25
SUN525-66M-H8N	46.83±5%	39.01	14.23±5%	13.46	525±5%	1500	25
SUN530-66M-H8N	46.98±5%	39.16	14.31±5%	13.54	530±5%	1500	25
SUN535-66M-H8N	47.13±5%	39.31	14.39±5%	13.61	535±5%	1500	25
SUN460-60M-H8N	42.34±5%	35.03	13.89±5%	13.14	460±5%	1500	25
SUN465-60M-H8N	42.49±5%	35.18	13.98±5%	13.22	465±5%	1500	25
SUN470-60M-H8N	42.64±5%	35.33	14.09±5%	13.31	470±5%	1500	25
SUN475-60M-H8N	42.79±5%	35.48	14.16±5%	13.39	475±5%	1500	25
SUN480-60M-H8N	42.94±5%	35.63	14.26±5%	13.48	480±5%	1500	25
SUN485-60M-H8N	43.09±5%	35.78	14.34±5%	13.56	485±5%	1500	25
SUN415-54M-H8N	38.11±5%	31.54	13.91±5%	13.16	415±5%	1500	25
SUN420-54M-H8N	38.26±5%	31.69	14.02±5%	13.26	420±5%	1500	25
SUN425-54M-H8N	38.41±5%	31.84	14.12±5%	13.35	425±5%	1500	25
SUN430-54M-H8N	38.56±5%	31.99	14.21±5%	13.44	430±5%	1500	25

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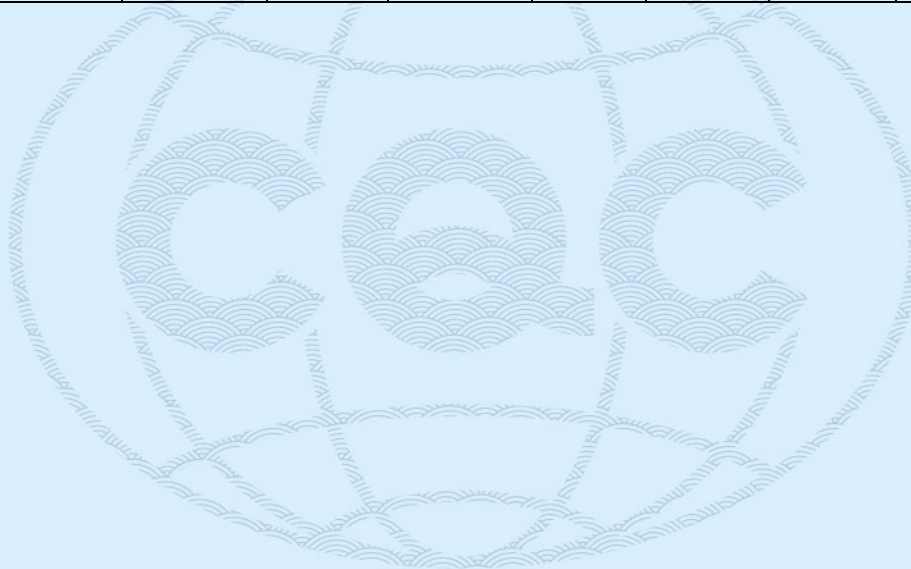
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SUN435-54M-H8N	38.71 ±5%	32.14	14.32 ±5%	13.54	435 ±5%	1500	25
SUN440-54M-H8N	38.86 ±5%	32.29	14.41 ±5%	13.63	440 ±5%	1500	25



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