

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

This document is the property of Intertek Testing Services and is not transferable. The certification mark(s) may be applied only at the location of the Party Authorized To Apply Mark.

Applicant: Sunithon Energy Kft.
Address: 1139 Szekszardi utc 9
Budapest

Country: Hungary
Contact: Mr. István Kovács
Phone: (+36) 70 804 4407
FAX: n/a
Email: info@sunithon.com

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Lake Forest, CA

Control Number: 5009040

Manufacturer: Sunithon Energy Kft.
Address: 1139 Szekszardi utc 9
Budapest

Country: Hungary
Contact: Mr. István Kovács
Phone: (+36) 70 804 4407
FAX: n/a
Email: info@sunithon.com



Authorized by: _____

for L. Matthew Snyder, Certification Manager



This document supersedes all previous Authorizations to Mark for the noted Report Number.

This Authorization to Mark is for the exclusive use of Intertek's Client and is provided pursuant to the Certification agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Authorization to Mark. Only the Client is authorized to permit copying or distribution of this Authorization to Mark and then only in its entirety. Use of Intertek's Certification mark is restricted to the conditions laid out in the agreement and in this Authorization to Mark. Any further use of the Intertek name for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. Initial Factory Assessments and Follow up Services are for the purpose of assuring appropriate usage of the Certification mark in accordance with the agreement, they are not for the purposes of production quality control and do not relieve the Client of their obligations in this respect.

Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

Standard(s):	Standard for Flat-Plate Photovoltaic Modules and Panels [UL 1703:2002 Ed.3+R:26Sep2018] Flat Plate Photovoltaic Modules and Panels [ULC ORD C1703:2011 Ed.1]
Product:	Photovoltaic modules
Brand Name:	Sunithon
Models:	Sunithon G/B M140, Sunithon G/B M170, Sunithon G/B M230, Sunithon G/B M240, Sunithon G/B M250, Sunithon G/B M260, Sunithon G/B M270, Sunithon G/B P230, Sunithon G/B P240, Sunithon G/B P250, Sunithon G/B P260, Sunithon G/G M01244, Sunithon G/G M01688, Sunithon G/G M03444, Sunithon G/G M03666, Sunithon G/G M03688, Sunithon G/G M03611, Sunithon G/G M04844, Sunithon G/G M06044, Sunithon G/G M06666, Sunithon G/G M07255, Sunithon G/G M08855, Sunithon G/G M10055, Sunithon G/G M10855, Sunithon G/G M11255, Sunithon G/G M12055, Sunithon G/G M14055, Sunithon G/G M14455, Sunithon G/G M16855, Sunithon G/G M02866, Sunithon G/G M03266, Sunithon G/G M02066, Sunithon G/G M01266, Sunithon G/G M01666, Sunithon G/G M02466.

7.0 Illustrations

Illustration 13 - Module ratings for all models in this report

Model	Pmp (W)	Voc(V)	Isc(A)	Vmp(V)	Imp (A)	MSV
12 Mono Cells Models Glass on Glass (660 x 540mm)						
Sunithon G/G M01244	55	8	9.09	6	8.55	600 V
12 Mono Cells Models Glass on Glass (838 x 711mm)						
Sunithon G/G M01266	53	8	8.93	6	8.39	600 V
16 Mono Cells Models Glass on Glass (698 x 698mm)						
Sunithon G/G M01688	60	10.6	7.7	8.25	7.2	600 V
16 Mono Cells Models Glass on Glass (914 x 838mm)						
Sunithon G/G M01666	71	10	8.93	8	8.39	600 V
20 Mono Cells Models Glass on Glass (1041 x 838mm)						
Sunithon G/G M02066	88	13	8.93	11	8.39	600 V
24 Mono Cells Models Glass on Glass (1092 x 838mm)						
Sunithon G/G M02466	106	15	8.93	13	8.39	600 V
28 Mono Cells Models Glass on Glass (1422 x 838mm)						
Sunithon G/G M02866	124	18	8.93	15	8.39	600 V
32 Mono Cells Models Glass on Glass (1676 x 838mm)						
Sunithon G/G M03266	141	20	8.93	17	8.39	600 V
34 Mono Cells Models Glass on Glass (1386 x 1200mm) (Hexagonal)						
Sunithon G/G M03444	144	21.21	8.95	17.68	8.20	600 V
36 Mono Cells Models Glass on Glass (1545 x 700mm)						
Sunithon G/G M03611	140	23.12	8.69	17.38	8.14	600 V
Sunithon G/G M03688	140	23.43	8.84	17.64	8.15	600 V
Sunithon G/G M03666	140	23.62	8.96	17.98	8.16	600 V
36 Mono Cells Models with Frame & BackSheet (1706 x 1006mm)						
Sunithon G/B M140	140	23.62	8.96	17.98	8.16	600 V
40 Mono Cells Models with Frame & BackSheet (1706 x 1006mm)						
Sunithon G/B M170	170	28.51	8.96	21.3	8.16	600 V
48 Mono Cells Models Glass on Glass (1460 x 1700mm)						
Sunithon G/G M04844	200	31.89	8.96	24.98	8.16	600 V
60 Poly Cells Models with Frame & BackSheet (1706 x1006mm)						
Sunithon G/B P230	230	37.14	8.47	29.34	7.79	600 V
Sunithon G/B P240	240	37.32	8.53	29.48	7.85	600 V
Sunithon G/B P250	250	37.45	8.50	29.59	7.82	600 V
Sunithon G/B P260	260	37.62	8.61	29.72	8.01	600 V
60 Mono Cells Models with Frame & BackSheet (1706 x1006mm)						
Sunithon G/B M230	230	38.62	8.65	28.93	7.85	600 V
Sunithon G/B M240	240	38.90	8.84	30.42	8.03	600 V
Sunithon G/B M250	250	39.18	8.96	30.64	8.14	600 V
Sunithon G/B M260	260	39.30	9.18	30.73	8.34	600 V
Sunithon G/B M270	270	39.59	9.37	30.96	8.58	600 V
60 Mono Cells glass on glass models without a frame (1460x1700mm)						
Sunithon G/G M06044	250	39.18	8.96	30.64	8.16	600 V
66 Mono Cells glass on glass models without a frame (1977x1009mm)						
Sunithon G/G M06666	291	42	8.93	35.00	8.39	1000 V
72 Mono Cells Models Glass on Glass (2000 x1600 mm)						
Sunithon G/G M07255	300	47.10	8.99	37.68	8.16	600 V
88 Mono Cells Models Glass on Glass (2000 x1600 mm)						
Sunithon G/G M08855	360	55.6	8.99	45.02	8.16	600 V
100 Mono Cells Models Glass on Glass (2000 x 2000 mm)						
Sunithon G/G M10055	400	62.02	8.99	50.68	8.16	600 V

7.0 Illustrations						
Model	Pmp (W)	Voc(V)	Isc(A)	Vmp(V)	Imp (A)	MSV
108 Mono Cells glass on glass models without a frame (2000x1600mm)						
Sunithon G/G M10855	450	70.96	9.00	56.76	8.18	600 V
112 Mono Cells glass on glass models without a frame (2000x1600mm)						
Sunithon G/G M11255	470	71.00	9.00	58.38	8.18	600 V
120 Mono Cells Models Glass on Glass (2000 x 2000 mm)						
Sunithon G/G M12055	500	78.84	9	63.07	8.18	600 V
140 Mono Cells glass on glass models without a frame (2000x2000mm)						
Sunithon G/G M14055	550	84.00	8.61	63.00	7.75	600 V
144 Mono Cells glass on glass models without a frame (2000x2000mm)						
Sunithon G/G M14455	600	86.40	8.61	69.12	7.75	600 V
168 Mono Cells glass on glass models without a frame (2000x2000mm)						
Sunithon G/G M16855	650	100.80	8.61	80.64	7.75	600 V