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Applicant: ONYX SOLAR ENERGY S.L.
Address: C/Rio Cea, 1-46
E05004, Ávila

Country: Spain
Contact: Mr. Vicente Velasco
Phone: (+34) 920 210 050
FAX: n/a
Email: vvelasco@onyxsolar.com

Manufacturer: ONYX SOLAR ENERGY S.L.
Address: C/Palma de Mallorca, Parcela nº8
Polígono Vicolozano
E05194, Avila

Country: Spain
Contact: Mr. Vicente Velasco
Phone: (+34) 920 210 050
FAX: n/a
Email: vvelasco@onyxsolar.com

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

Control Number: 5009040

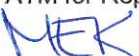
Authorized by: 
for Dean Davidson, Certification Manager



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

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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): 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: Onyx
Models: ONYX G/B M140, ONYX G/B M170, ONYX G/B M230, ONYX G/B M240, ONYX G/B M250, ONYX G/B M260, ONYX G/B M270, ONYX G/B P230, ONYX G/B P240, ONYX G/B P250, ONYX G/B P260, ONYX G/G M01244, ONYX G/G M01688, ONYX G/G M03444, ONYX G/G M03666, ONYX G/G M03688, ONYX G/G M03611, ONYX G/G M04844, ONYX G/G M06044, ONYX G/G M06666, ONYX G/G M07255, ONYX G/G M08855, ONYX G/G M10055, ONYX G/G M10855, ONYX G/G M11255, ONYX G/G M12055, ONYX G/G M14055, ONYX G/G M14455, ONYX G/G M16855.

MEK

Module ratings for all models

Model	Pmp(W)	Voc(V)	Isc(A)	Vmp(V)	Imp(A)	MSV
12 Mono Cells Models Glass on Glass(660 x 540mm)						
Onyx G/G M01244	55±10%	8	9,09	6	8,55	600V
16 Mono Cells Models Glass on Glass(698 x 698mm)						
Onyx G/G M01688	60±10%	10.6	7.7	8.25	7.2	600V
34 Mono Cells Models Glass on Glass(1386 x 1200mm)(Hexagonal)						
Onyx G/G M03488	144±10%	21.21	8.95	17.68	8.2	600V
36 Mono Cells Models Glass on Glass(1545 x700mm)						
Onyx G/G M03611	140±10%	23.12	8.69	17.38	8.14	600V
Onyx G/G M03688	140±10%	23.43	8.84	17.64	8.15	600V
Onyx G/G M03666	140±10%	23.62	8.96	17.98	8.16	600V
36 Mono Cells Models with Frame & Backsheet(1706 x 1006mm)						
Onyx G/B M140	140±10%	23.62	8.96	17.98	8.16	600V
40 Mono Cells Models with Frame & Backsheet(1706 x 1006mm)						
Onyx G/B M170	170±10%	28.51	8.96	21.3	8.16	600V
48 Mono Cells Models Glass on Glass(1460 x 1700mm)						
Onyx G/G M04844	200±10%	31.89	8.96	24.98	8.16	600V
60 Poly Cells Models with Frame & Backsheet(1706 x 1006mm)						
Onyx G/B P230	230±10%	37.14	8.47	29.34	7.79	600V
Onyx G/B P240	240±10%	37.32	8.53	29.48	7.85	600V
Onyx G/B P250	250±10%	37.45	8.50	29.59	7.82	600V
Onyx G/B P260	260±10%	37.62	8.61	29.72	8.01	600V
60 Mono Cells Models with Frame & Backsheet(1706 x 1006mm)						
Onyx G/B M230	230±10%	38.62	8.65	28.93	7.85	600V
Onyx G/B M240	240±10%	38.90	8.84	30.42	8.03	600V
Onyx G/B M250	250±10%	39.18	8.96	30.64	8.14	600V
Onyx G/B M260	260±10%	39.30	9.18	30.73	8.34	600V
Onyx G/B M270	270±10%	39.59	9.37	30.96	8.58	600V
60 Mono Cells Glass on Glass Models without frame (1460x1700mm)						
Onyx G/G M06044	250±10%	39.18	8.96	30.64	8.16	600V
72 Mono Cells Glass on Glass Models (2000x1600mm)						
Onyx G/G M07255	300±10%	47.10	8.99	37.68	8.16	600V
88 Mono Cells Glass on Glass Models (2000x1600mm)						
Onyx G/G M08855	360±10%	55.6	8.99	45.02	8.16	600V
100 Mono Cells Glass on Glass Models (2000x2000mm)						
Onyx G/G M10055	400±10%	62.02	8.99	50.68	8.16	600V
108 Mono Cells Glass on Glass Models (2000x1600mm)						
Onyx G/G M010855	450±10%	70.96	9.00	56.76	8.18	600V
112 Mono Cells Glass on Glass Models (2000x1600mm)						
Onyx G/G M11255	470±10%	71.00	9.00	58.38	8.18	600V
120 Mono Cells Glass on Glass Models (2000x2000mm)						
Onyx G/G M012055	500±10%	78.84	9.00	63.07	8.18	600V
140 Mono Cells Glass on Glass Models without frame (2000x2000mm)						
Onyx G/G M14055	550±10%	84.00	8.61	63.00	7.75	600V
144 Mono Cells Glass on Glass Models without frame (2000x2000mm)						
Onyx G/G M14455	600±10%	86.4	8.61	69.12	7.75	600V
168 Mono Cells Glass on Glass Models without frame (2000x2000mm)						
Onyx G/G M16855	650±10%	100.80	8.61	80.64	7.75	600V

Pmp = Rated Maximum Power at STC, W
Voc = Open Circuit Voltage at STC, V dc
Isc = Short Circuit Current at STC, A dc

Vmp = Rated Voltage at STC, V dc
Imp = Rated Current at STC, A dc
MSV = Maximum System Voltage, V dc