



Electrolux

Ultra Black shingled module ES-M3407U-S(M6)



400-410 Wp
340 M6-based
shingled cells



More converting surface,
more energy outputs
Outstanding sleek optics



Comprehensively certified
15 year product warranty
(optionally extendable)
25 year power warranty

ES-M3407U-S(M6) / ULTRA BLACK SHINGLED MODULE

PRODUCT SERIES & NAMECODE (PNC)	
ELECTROLUX	
ES-M3407U-S(M6)-400/405/410/HV	
black frame, black backsheet	

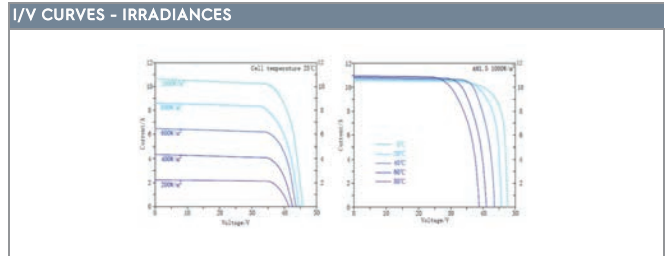
CERTIFICATIONS	
System	ISO 9001, ISO 14001, ISO 45001
Product	IEC/EN 61215 (-1, 1-1: 2016); IEC 61215 -2:2016, EN 61215 -2:2017-AC2017-AC2018; IEC 61730 (-1, -2:2016); EN 61730-1/-2:2018-AC 2018

ELECTRICAL CHARACTERISTICS AT STC ^{1,2}				
Nominal Power (Pmax)	[Wp]	400	405	410
Power Sorting ³	[W]	0-5	0-5	0-5
Maximum Power Voltage (Vmp)	[V]	38.6	38.7	38.8
Maximum Power Current (Imp)	[A]	10.36	10.47	10.57
Open Circuit Voltage (Voc)	[V]	46.4	46.5	46.6
Short Circuit Current (Isc)	[A]	10.97	11.02	11.07
Module Efficiency (ηm)	[%]	20.4	20.7	20.9
Maximum System Voltage	[V]	1500	1500	1500
Series Fuse Maximum Rating	[A]	20	20	20

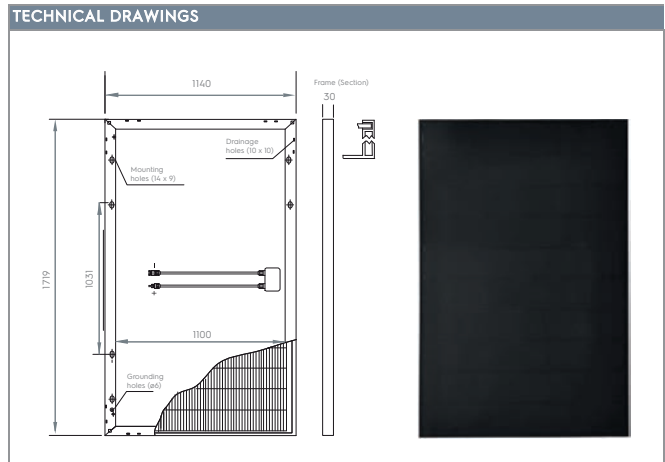
WARRANTIES		
Product warranty ⁵	[years]	15 (opt. ext. to 20)
Performance warranty (linear) ⁶	[years]	25

TEMPERATURE CHARACTERISTICS		
NMOT	[°C]	42.3 (±2)
Pmax Temp. Coefficient (γ)	[%°C]	-0.34
Voc Temp. Coefficient (β)	[%°C]	-0.27
Isc Temp. Coefficient (α)	[%°C]	0.04
Operating temperature	[°C]	-40~+85

ELECTRICAL CHARACTERISTICS AT NMOT ⁴				
Maximum Power (Pmax)	[W]	301	305	309
Maximum Power Voltage (Vmp)	[V]	36.8	36.9	37.0
Maximum Power Current (Imp)	[A]	8.18	8.27	8.35
Open Circuit Voltage (Voc)	[V]	44.2	44.3	44.4
Short Circuit Current (Isc)	[A]	8.85	8.89	8.93



MECHANICAL CHARACTERISTICS		
Solar cells	monocrystalline [pcs]	340
	Dimensions [mm]	M6-based shingles
Front glass	high-transparency	
	Thickness [mm] / [in]	3.2 / 0.126
Backsheet	Black	
Encapsulant	EVA	
Frame	Anodized aluminum alloy	black
Junction box	Standard	
	Bypass diodes	2
UV-resistant cables	Length [mm] / [in]	1400 / 55.12
	Section [mm ²]	4
Connectors	MC4	
Dimensions	H x L x W [mm]	1719 x 1140 x 30
	H x L x W [in]	67.68 x 44.89 x 1.18
Weight	[kg] / [lbs]	21.0 / 46.2
Maximum load	Wind / Snow [Pa]	2400 / 5400
Fire Class	Class C	



PACKAGING		
Packing configuration	[pcs/pallet]	36
Loading capacity	[pcs/40 ft container]	936

NOTES
1-Standard Test Conditions (STC): Irradiance 1000 W/m ² , Air Mass AM = 1.5, Cell Temperature 25°C
2-Measurement tolerances (IEC 61215:2016): Pmax±3%, Voc±3%, Isc±3%
3-Electrolux photovoltaic modules are classified according to a principle of positive power tolerance: the Power Output measured at STC of the delivered modules exceeds their assigned Nameplate Nominal Power
4-NMOT: Nominal operating temperature of module, Irradiance 800 W/m ² , Wind Speed 1m/s; Ambient Temperature 20°C, Air Mass AM=1.5
5-Full text of the Warranty Terms available at: www.electroluxsolar.com . The Extended Warranty is a separate offer. If not offered by your distributor, the standard warranty conditions apply.
6-(HE/GB) No less than 98% of the minimum *Peak Power at STC* in the first year; power output decline no more than 0.55% per year thereafter, ending with 84.8%.
Dimensions in the technical picture are expressed in mm with tolerance ±2 mm (+0.079 ") / Version 2022.05.V1.EN © Solar Solutions Group. Specifications in this datasheet are subject to change without notice.
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