

Design-led solutions for your sustainable home

Electrolux high efficiency
solar modules



Electrolux



Photovoltaic module ES-M1082-H(M10)



400-410 Wp
108 M10-based
half-cut cells



M10 cells for maximum
efficiency; outstanding
sleek optics



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

ES-M1082B-H(M10) / PHOTOVOLTAIC MODULE

| PRODUCT SERIES & NAMECODE (PNC) | |
|---------------------------------|--|
| Electrolux | |
| ES-M1082B-H(M10)-400/405/410 | |
| black frame, black backsheet | |

| 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] | 30.35 | 30.52 | 30.69 |
| Maximum Power Current (Imp) | [A] | 13.19 | 13.28 | 13.37 |
| Open Circuit Voltage (Voc) | [V] | 37.21 | 37.33 | 37.45 |
| Short Circuit Current (Isc) | [A] | 13.59 | 13.68 | 13.77 |
| Module Efficiency (ηm) | [%] | 20.65 | 20.91 | 21.17 |
| Maximum System Voltage | [V] | 1000 | 1000 | 1000 |
| Series Fuse Maximum Rating | [A] | 25 | 25 | 25 |

| ELECTRICAL CHARACTERISTICS AT NMOT ⁴ | | | | |
|---|-----|-------|-------|-------|
| Maximum Power (Pmax) | [W] | 321 | 325 | 329 |
| Maximum Power Voltage (Vmp) | [V] | 30.28 | 30.45 | 30.62 |
| Maximum Power Current (Imp) | [A] | 10.61 | 10.68 | 10.75 |
| Open Circuit Voltage (Voc) | [V] | 36.88 | 37.00 | 37.12 |
| Short Circuit Current (Isc) | [A] | 10.82 | 10.89 | 10.96 |

| MECHANICAL CHARACTERISTICS | | |
|----------------------------|----------------------------|-------------------------|
| Solar cells | monocrystalline [pcs] | 108 |
| | Dimensions [mm] | M10 Half-cut [182 x 91] |
| Front glass | high-transparency | |
| | Thickness [mm] / [in] | 2.8 / 0.11 |
| Backsheet | Black | |
| Encapsulant | EVA | |
| Frame | Anodized aluminum alloy | black |
| Junction box | Split-type | |
| | Bypass diodes | 3 |
| UV-resistant cables | Length [mm] / [in] | 1100 / 43.30 |
| | Section [mm ²] | 4 |
| Connectors | MC4 | |
| Dimensions | H x L x W [mm] | 1708 x 1134 x 30 |
| | H x L x W [in] | 67.24 x 44.64 x 1.18 |
| Weight | [kg] / [lbs] | 20 / 44.8 |
| Maximum load | Wind / Snow [Pa] | 2400 / 5400 |
| Fire Class | Class C | |

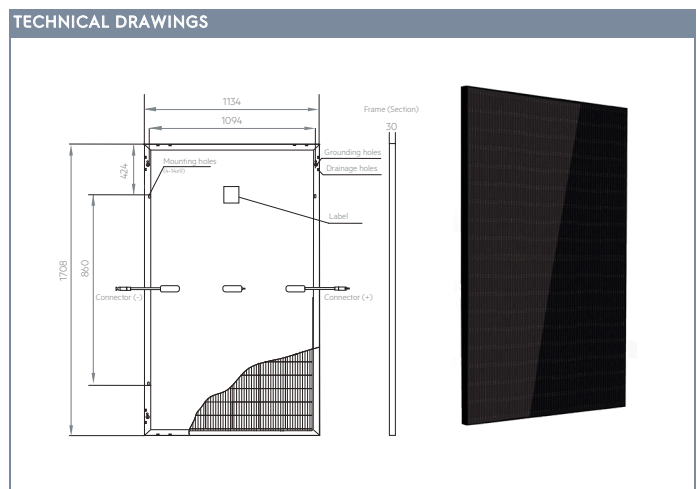
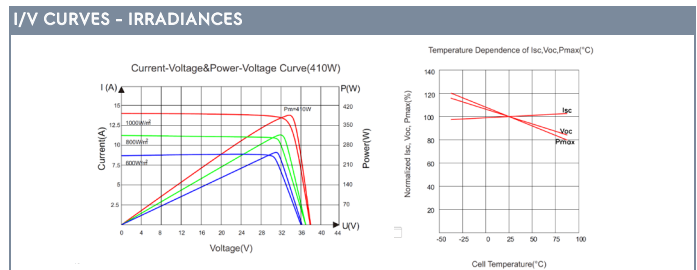
| PACKAGING | | |
|-----------------------|-----------------------|-----|
| Packing configuration | [pcs/pallet] | 36 |
| Loading capacity | [pcs/40 ft container] | 936 |

| 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 2022.09.V2 EN © Solar Solutions Group. Specifications in this datasheet are subject to change without notice. |
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| CERTIFICATIONS | |
|----------------|--|
| System | ISO 9001, ISO 14001, ISO 45001 |
| Product | IEC 61215-1:2016, IEC 61215-1-1:2016, IEC 61215-2:2016, IEC 61730-1/-2:2016, IEC 61215-1:2016, IEC 61215-1-1:2016, IEC 61215-2:2016, IEC 61730-1/-2:2016 |

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

| TEMPERATURE CHARACTERISTICS | | |
|-----------------------------|-------|---------|
| NMOT | [°C] | 42 (±3) |
| Pmax Temp. Coefficient (γ) | [%°C] | -0.330 |
| Voc Temp. Coefficient (β) | [%°C] | -0.246 |
| Isc Temp. Coefficient (α) | [%°C] | 0.0448 |
| Operating temperature | [°C] | -40→+85 |



CONTACTUS | DISTRIBUTOR

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APRILICE



Electrolux

Ultra Black shingled module ES-M3057U-S(G12)



410-420 Wp
305 G12-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-M3057U-S(G12) / ULTRA BLACK SHINGLED MODULE

| PRODUCT SERIES & NAMECODE (PNC) | |
|---------------------------------|--|
| ELECTROLUX | |
| ES-M3057U-S(G12)-410/415/420/HV | |
| black frame, black backsheet | |

| ELECTRICAL CHARACTERISTICS AT STC ^{1,2} | | | | |
|--|------|-------|-------|-------|
| Nominal Power (Pmax) | [Wp] | 410 | 415 | 420 |
| Power Sorting ³ | [W] | 0-5 | 0-5 | 0-5 |
| Maximum Power Voltage (Vmp) | [V] | 34.4 | 34.4 | 34.5 |
| Maximum Power Current (Imp) | [A] | 11.97 | 12.08 | 12.19 |
| Open Circuit Voltage (Voc) | [V] | 41.4 | 41.5 | 41.6 |
| Short Circuit Current (Isc) | [A] | 12.65 | 12.80 | 12.92 |
| Module Efficiency (ηm) | [%] | 20.6 | 20.9 | 21.1 |
| Maximum System Voltage | [V] | 1500 | 1500 | 1500 |
| Series Fuse Maximum Rating | [A] | 25 | 25 | 25 |

| ELECTRICAL CHARACTERISTICS AT NMOT ⁴ | | | | |
|---|-----|-------|-------|-------|
| Maximum Power (Pmax) | [W] | 309 | 312 | 316 |
| Maximum Power Voltage (Vmp) | [V] | 32.8 | 32.8 | 32.9 |
| Maximum Power Current (Imp) | [A] | 9.41 | 9.53 | 9.62 |
| Open Circuit Voltage (Voc) | [V] | 39.5 | 39.6 | 39.7 |
| Short Circuit Current (Isc) | [A] | 10.19 | 10.31 | 10.41 |

| MECHANICAL CHARACTERISTICS | | |
|----------------------------|----------------------------|-----------------------|
| Solar cells | monocrystalline [pcs] | 305 |
| | Dimensions [mm] | G12-based shingles |
| Front glass | high-transparency | |
| | Thickness [mm] / [in] | 3.2 / 0.126 |
| Backsheet | Black | |
| Encapsulant | EVA | |
| Frame | Anodized aluminum alloy | black |
| Junction box | Split-type | |
| | Bypass diodes | 2 |
| UV-resistant cables | Length [mm] / [in] | 1300 / 51.18 |
| | Section [mm ²] | 4 |
| Connectors | MC4 | |
| Dimensions | H x L x W [mm] | 1812 x 1096 x 30 |
| | H x L x W [in] | 71.34 x 43.15 x 1.18 |
| Weight | [kg] / [lbs] | 20.8±0.3 / 45.84±0.66 |
| Maximum load | Wind / Snow [Pa] | 2400 / 5400 |
| Fire Class | Class C | |

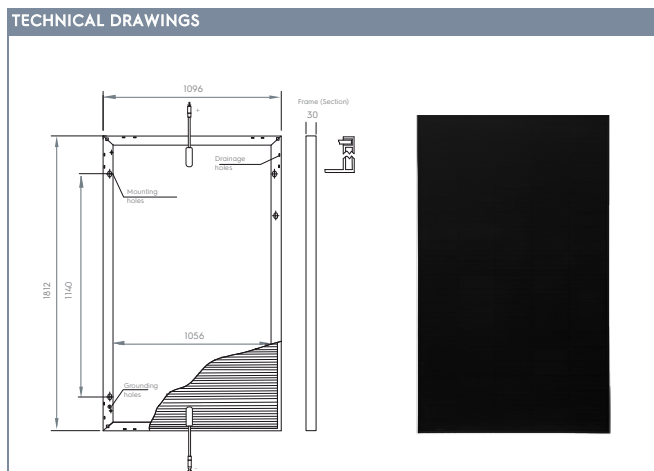
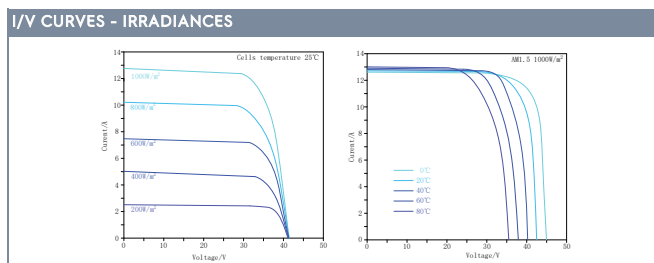
| PACKAGING | | |
|-----------------------|-----------------------|----------------------------------|
| Packing configuration | [pcs/pallet] | 36 (24 pallets) + 30 (2 pallets) |
| Loading capacity | [pcs/40 ft container] | 924 |

| 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-(PRE/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%. | |
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| CERTIFICATIONS | | |
|----------------|--|--|
| System | ISO 9001, ISO 14001, ISO 45001 | |
| Product | IEC / EN 61215-1:2016; IEC / EN 61215-1:2016; IEC 61215-2:2016 / EN 61215-2:2017 • AC:2017 • AC:2018; IEC 61730-1:2016 / EN IEC 61730-1:2018 • AC:2018; IEC 61730-2:2016 / EN IEC 61730-2:2018 • AC:2018 | |

| 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 |



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APRILICE



Electrolux

Ultra Black shingled module ES-M3207U-S(G12)



430-435 Wp
320 G12-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-M3207U-S(G12) / ULTRA BLACK SHINGLED MODULE

| PRODUCT SERIES & NAMECODE (PNC) | | |
|---------------------------------|--|--|
| ELECTROLUX | | |
| AS-M3207U-S(G12)-430/435/HV | | |
| black frame, black backsheet | | |

| ELECTRICAL CHARACTERISTICS AT STC ^{1,2} | | | |
|--|------|-------|-------|
| Nominal Power (Pmax) | [Wp] | 430 | 435 |
| Power Sorting ³ | [W] | 0-5 | 0-5 |
| Maximum Power Voltage (Vmp) | [V] | 36.1 | 36.2 |
| Maximum Power Current (Imp) | [A] | 11.92 | 12.02 |
| Open Circuit Voltage (Voc) | [V] | 43.5 | 43.6 |
| Short Circuit Current (Isc) | [A] | 12.68 | 12.79 |
| Module Efficiency (ηm) | [%] | 20.7 | 20.9 |
| Maximum System Voltage | [V] | 1500 | 1500 |
| Series Fuse Maximum Rating | [A] | 25 | 25 |

| ELECTRICAL CHARACTERISTICS AT NMOT ⁴ | | | |
|---|-----|-------|-------|
| Maximum Power (Pmax) | [W] | 324 | 328 |
| Maximum Power Voltage (Vmp) | [V] | 34.4 | 34.5 |
| Maximum Power Current (Imp) | [A] | 9.41 | 9.49 |
| Open Circuit Voltage (Voc) | [V] | 41.5 | 41.6 |
| Short Circuit Current (Isc) | [A] | 10.23 | 10.32 |

| MECHANICAL CHARACTERISTICS | | | |
|----------------------------|----------------------------|----------------------|--|
| Solar cells | monocrystalline [pcs] | 320 | |
| | Dimensions [mm] | G12-based shingles | |
| Front glass | high-transparency | | |
| | Thickness [mm] / [in] | 3.2 / 0.126 | |
| Backsheet | Black | | |
| Encapsulant | EVA | | |
| Frame | Anodized aluminum alloy | Black | |
| Junction box | Split-type | | |
| | Bypass diodes | 2 | |
| UV-resistant cables | Length [mm] / [in] | 1500 / 59.05 | |
| | Section [mm ²] | 4 | |
| Connectors | MC4 | | |
| Dimensions | H x L x W [mm] | 1899 x 1096 x 30 | |
| | H x L x W [in] | 74.76 x 43.15 x 1.18 | |
| Weight | [kg] / [lbs] | 21.8 / 48.04 | |
| Maximum load | Wind / Snow [Pa] | 2400 / 5400 | |
| Fire Class | Class C | | |

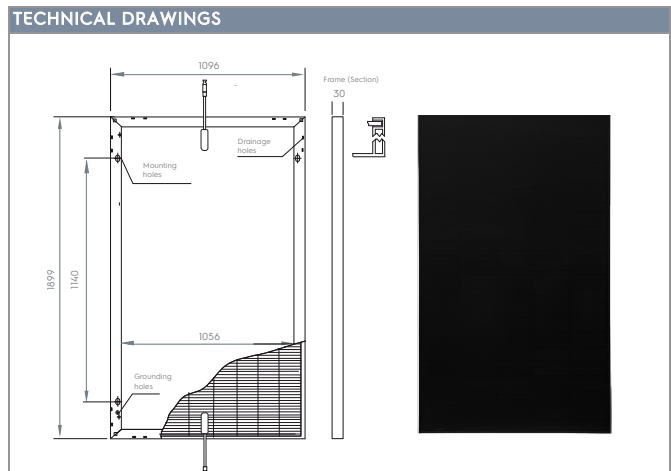
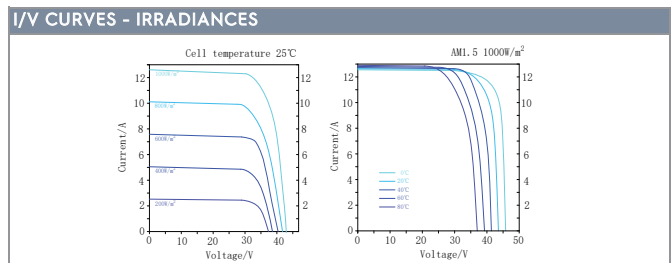
| PACKAGING | | | |
|-----------------------|-----------------------|--|-----|
| Packing configuration | [pcs/pallet] | | 36 |
| Loading capacity | [pcs/40 ft container] | | 864 |

| 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-(PRE/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%. | | | |
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| 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 | |

| 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 |



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