

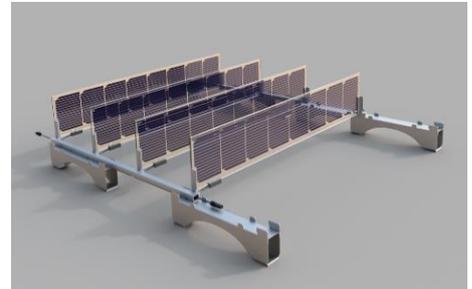
xM-2 QUATTRO-200S

FLAT ROOF SOLUTION (LM)



Designed for flat roofs esp. green roofs, the Over Easy solar solution realizes energy production in a revolutionary way. The light-weighted PV-units can be easily installed on the roof and still enable full access for inspection, maintenance and repairs. The LM (low mounted) model is suitable for various material types of flat roofs. If your roof is covered with plants, Over Easy offers the HM (high mounted) model optimized for green roofs, such as sedum. The model enables plant thriving with solar installed and ensures biodiversity and water retention.

GREEN ROOF SOLUTION (HM)



VERTICAL SOLAR SYSTEM FOR FLAT ROOFS (PATENT PENDING)

UNIQUE FEATURES

OVER EASY SOLAR PARTNER SUPPORT

- Captures more sun and generates energy more hours a day
- Peak production when energy cost is high
- High performance in areas exposed to snow loads, dusty conditions and low sun
- More energy during autumn, winter and spring

- Easy to handle pre-assembled unit that integrates PV-modules, electrical cabling and mounting structure
- Easy planning and logistics with 33 units on a pallet
- No damaging pressure points or intrusive fasteners that might damage the integrity of the roof over time

- System layout, yield estimation, string planning and inverter sizing
- Project based deliveries and logistic support
- Comprehensive installation manual and installation support
- Repair and after sales support

MECHANICAL DATA

ELECTRICAL DATA

OPERATING CONDITION

| | | |
|--------------------------------------|--|------------------------|
| Dimensions | HM-2: 1580x1496x340 mm LM-2: 1580x1496x280 mm | |
| Roof area covered per unit | 2.4 m ² | |
| Weight | HM-2: 26 kg, point load 71N LM-2: 25 kg, point load 64N | |
| Tempered Glass | 2x3.2 mm solar glass with anti-reflection surface | |
| Vertical clearance below modules | HM-2: 120 mm LM-2: 60 mm | |
| Loading per pallet | Units | Weight |
| | Pallet | |
| | xM-2* | 33 167x167x125cm 925kg |
| | HM-Foot | 84 80x60x118cm 141kg |
| | LM-Foot | 280 80x60x114cm 152kg |
| Cable Trays | 300 120x60x42cm 277kg | |
| *40ft Container 14 pallets (92.4kWp) | | |

| | |
|---|---|
| Max. Power @ STC (P _{max}) | 200 W |
| Bifaciality | 95,7% |
| Power Tolerance | ± 3 % |
| Max. Power Voltage (V _{mpp}) | 21.00 V |
| Max. Power Current (I _{mpp}) | 9.52 A |
| Open-circuit Voltage (V _{oc}) | 24.20 V ± 3 % |
| Short circuit Current (I _{sc}) | 10.30 A ± 3 % |
| Max. System Voltage (V _{sys}) | 1000 V DC |
| Reverse current rating | 20 A |
| Cable | 4 mm ² Solar Cable, Class II |
| Electrical protection | Class II |
| Temperature coefficient of P _{max} | -0.26 %/K |
| Temperature coefficient of V _{oc} | -0.27 %/K |
| Temperature coefficient of I _{sc} | +0.055 %/K |

| | |
|-------------------|------------------------------------|
| Cell Technology | Silicon Heterojunction Solar Cells |
| Operation Temp. | -40 °C ... + 85 °C |
| Design Load | 1600 P, Safety factor 1.5 |
| Fire Safety Class | C |
| Junction Box | IP-68,4x1 bypass diode |
| Connectors | IP-68, DC Connectors |

CERTIFICATES

IEC / EN 61215-1:2016,
IEC 61215-2:2016 / EN 61215-2:2017
IEC 61730-1:2016 / EN IEC 61730-1:2018
UL 61730-1:2022
IEC 61730-2:2016 / EN IEC 61730-2:2018
UL 61730-2:2022
IEC 62790:2020 / UL 3730:2014
CE
Wind load calculations:
EN 1991-1-4, ASCE 7-22, NBCC 2020