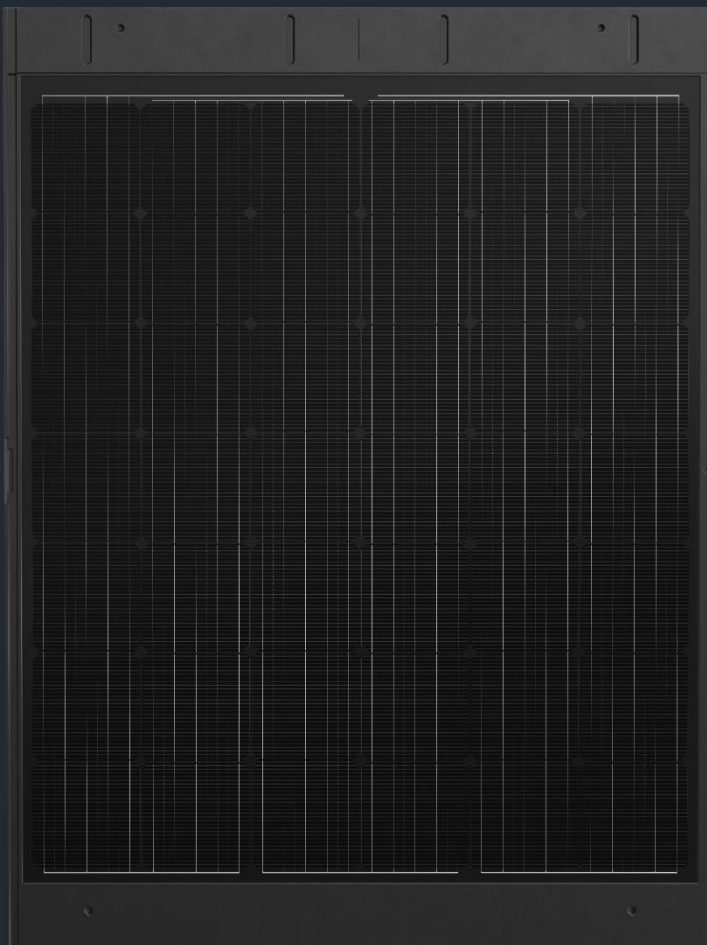


Solar Capture

Solar Tile Data Sheet

Composite Solar Roof Tile



Designed and
manufactured in the UK



Optimal efficiency
guaranteed



Highly sustainable

Made using renewable energy and with
recyclable materials



Extremely durable and
reliable



High aesthetic value



Significant weight savings

Under half the weight of standard solar
PV



Residential



Commercial



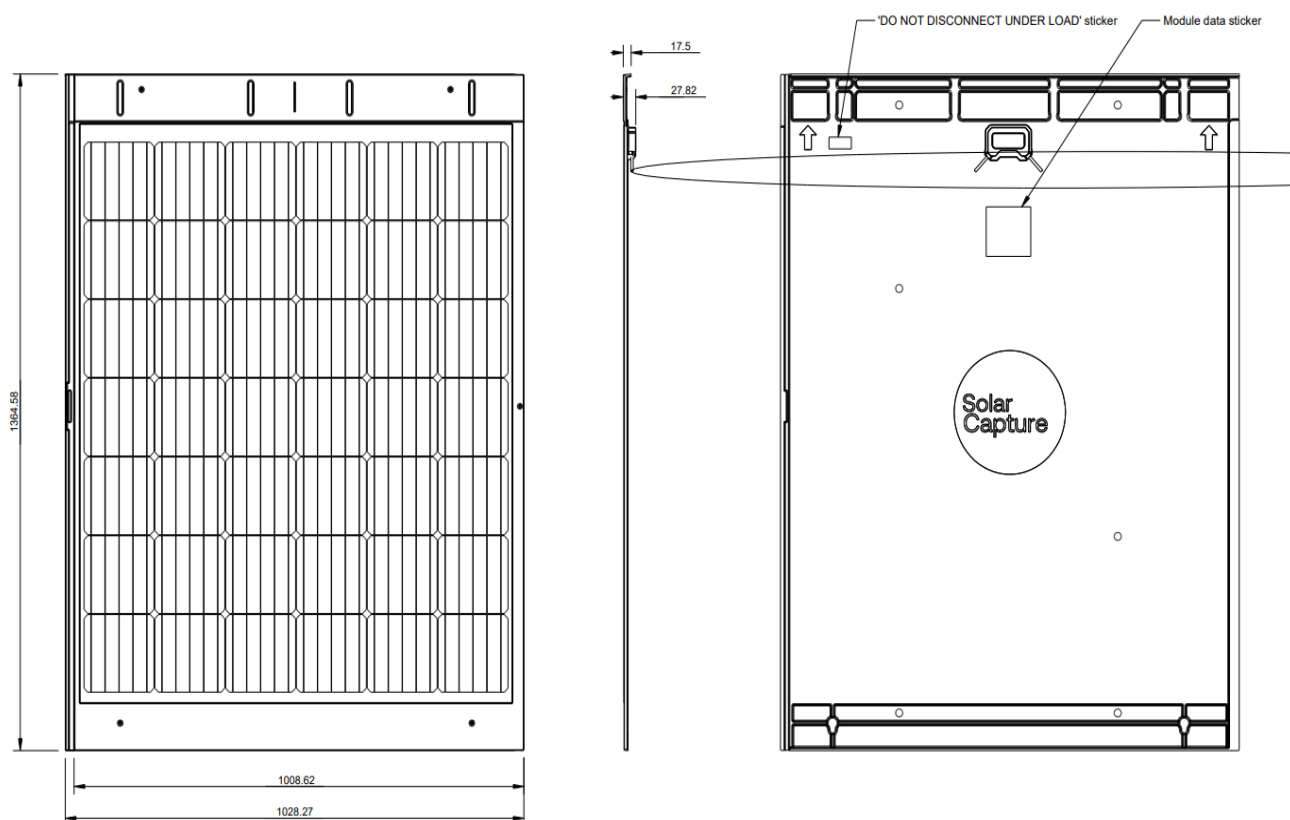
Facade

Solar Solutions for *People and Planet*

solarcapturetechnologies.com
phone: +44(0)1670 704508
email: enquiries@solarcapturetechnologies.com

PV Technology Centre
Albert Street, Blyth
Northumberland, NE24 1LZ

Technical Drawings



Mechanical Data

| | |
|---------------------|------------------------------|
| Length (mm) | 1365 |
| Width (mm) | 1028 |
| Thickness (mm) | 17.5 |
| Weight (kg) | 16 |
| Cell type | Mono Perc |
| Junction box | In accordance with IEC 62790 |
| Fire Rating (UL790) | Class A |

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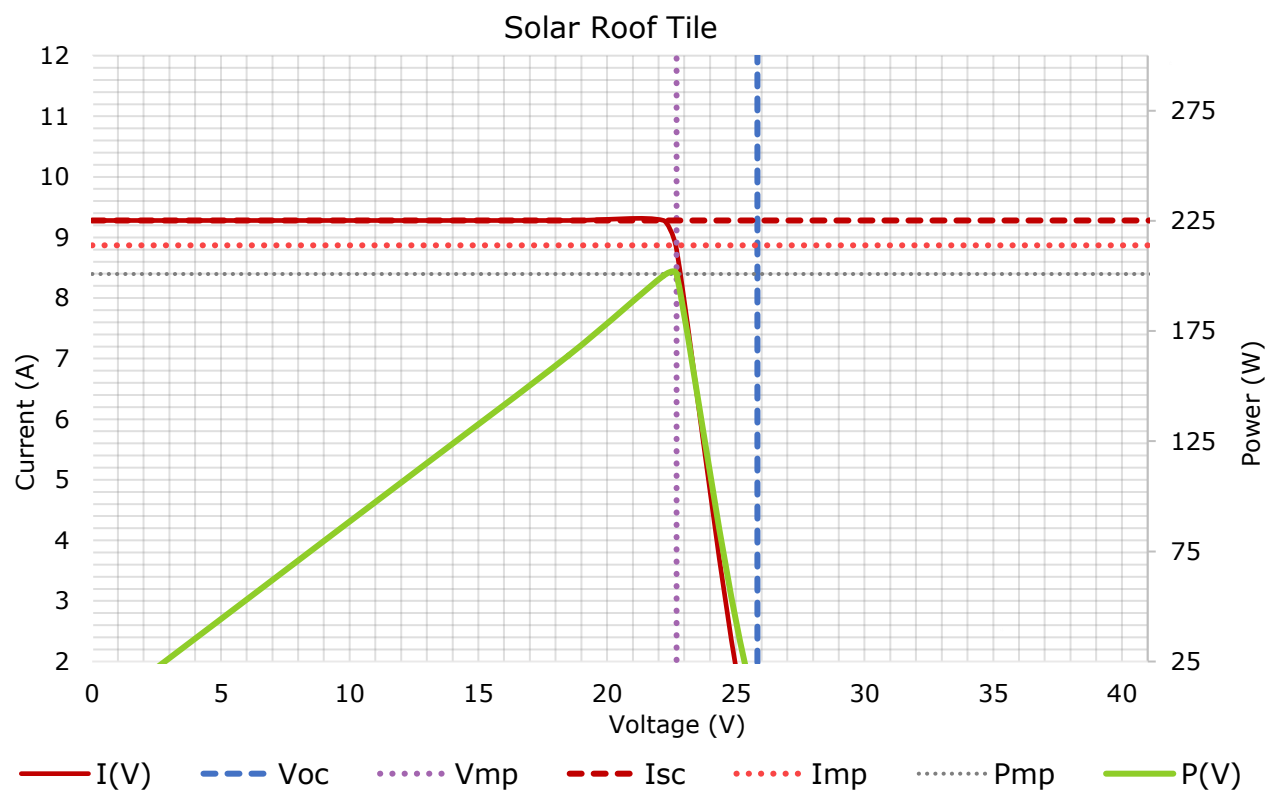
SolarCapture
ID 14126 Issue 2

Electrical Data

| | |
|-------------------------------|---------------|
| Rated max. Power Pmax (W) | 200 \pm 3% |
| Open Circuit Voltage Voc (V) | 28.2 \pm 3% |
| Rated Voltage Vmp (V) | 23 |
| Short Circuit Current Isc (A) | 9.28 \pm 3% |
| Rated Current Imp (A) | 8.88 |
| Cell Efficiency (%) | 22.5 |

(STC) 1000W/m² 25°+/-2° Maximum System Voltage 1000Vdc Safety Class II UK
Maximum Overcurrent Protection 20Amps

IV-Curve



Temperature Coefficients

| | |
|--|-----------|
| Current Temperature Co-efficient (Isc) | 0.04%/°C |
| Voltage Temperature Co-efficient (Voc) | -0.31%/°C |
| Power Temperature Co-efficient (Pmax) | -0.41%/°C |

Product Warranty

| |
|--|
| 15 Years Product (Mechanical) Warranty |
| 25 Years Electrical Warranty |
| Minimum 90% Output at 20 Years |

Product Images



Certification

Kiwa IEC Certification Number 7819 Rev.0, IEC 61215-1:2021, IEC 61215-1-1:2021, IEC 61215-1-2:2021, IEC 61730-1:2018 and IEC 61730-2:2018, UL790 Fire Rating Class A

MCS Certification Numbers MCS 005 MCS BBA 7427 and MCS 012 MCS BBA 7426

Fire: Fire Classification for the Solar Capture Technologies SCT-437 Composite Roof Tile is B_{ROOF}(t4)

Wind Uplift Resistance: 7194 Newtons

Resistance to Wind Driven Rain: 10-50Pa, 0 g.m⁻² Per Minute