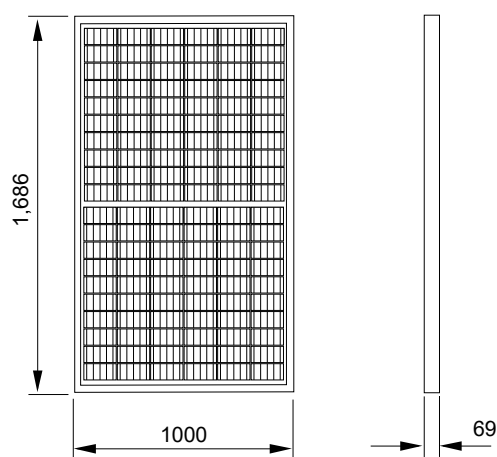


(PV16-335-G1)

- Simple roof integration with clean, low-profile aesthetic for new build and retrofit
- Rapid installation times of less than 45 min/kWp easily achieved
- Compatible with the widest range of slate and tile including special fixings for different batten thickness
- Fitted during the normal roofing programme, enabling clarity of responsibility and safe working practices
- Achieves highest fire rating and wind resistance without modifications to the roof



PV16-335-G1

PV16-340-G1W



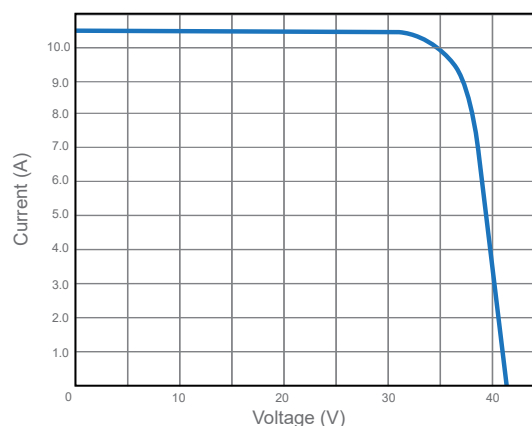
Mechanical Specification

| Model | | PV16 |
|-----------------------------------|---------------------|--------------------------------------|
| Aperture Area | m ² | 1.622 |
| Width | mm | 1,000 |
| Length | mm | 1,686 |
| Thickness | mm | 69 |
| Weight | kg | 21.7 |
| Static roof loading (distributed) | kg / m ² | 12.9 |
| Characteristic Wind Resistance | kPa | 5.32 |
| Ultimate Design Load ¹ | kPa | 5.32 |
| Positive Design Load | IEC 61215 | 5.40 |
| Roofing System Fire Rating | EN 13501-5 | B _{ROOF} (T1, T2, T3, T4) |
| Power Warranty | % rated | 90% 10 years, 80% 25 years |
| Product Warranty | | 10 years |
| Standards | | IEC61215, 61730, TUV, MCS05* , MCS12 |

Electrical Specification

| Model | | PV16-335 | PV16-340 |
|---|-----------------|--------------------------------------|-----------------|
| Peak Power ² | Wp | 335 | 340 |
| Module Efficiency ³ | % | 20.7 | 21.0 |
| Number of Cells | | 60x2 | 60x2 |
| Maximum Power Voltage (V _{mpp}) | V | 34.7 | 35.0 |
| Maximum Power Current (I _{mpp}) | A | 9.7 | 9.7 |
| Open Circuit Voltage (V _{oc}) | V | 42.0 | 42.4 |
| Short Circuit Current (I _{sc}) | A | 10.3 | 10.4 |
| NOCT ⁴ | °C | 44.0 | |
| Cell Type | | Monocrystalline Silicon | |
| Power Temperature Coefficient | % / °C | -0.38 | |
| Current Temperature Coefficient | % / °C | 0.05 | |
| Voltage Temperature Coefficient | % / °C | -0.30 | |
| Maximum System Voltage | V _{oc} | 1,000 | |
| Maximum Fuse Rating | A | 20 | |
| Safety Classification | | Class II | |
| Electrical Connectors | | Genuine Stäubli MC4 PV-KST4, PV-KBT4 | |

I-V Curves



¹ Design resistance to ultimate loads includes a partial material safety factor of 1.0

² Subject to a manufacturing tolerance of +/- 3%.

³ Based on aperture area.

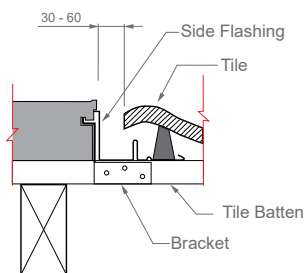
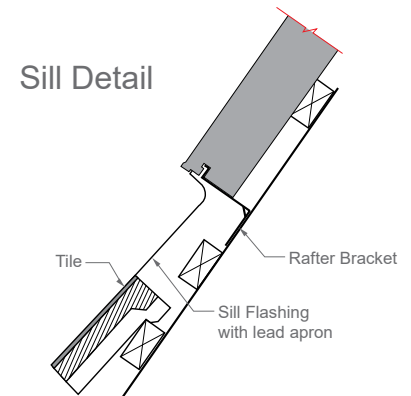
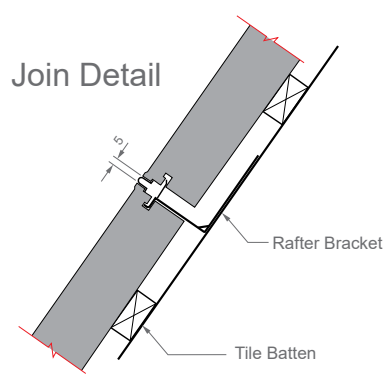
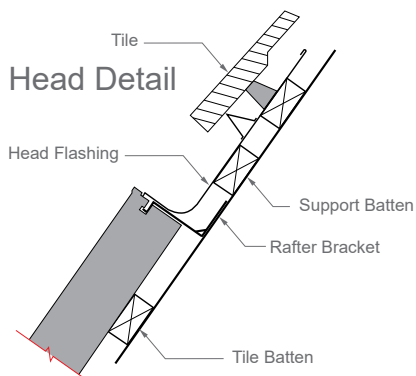
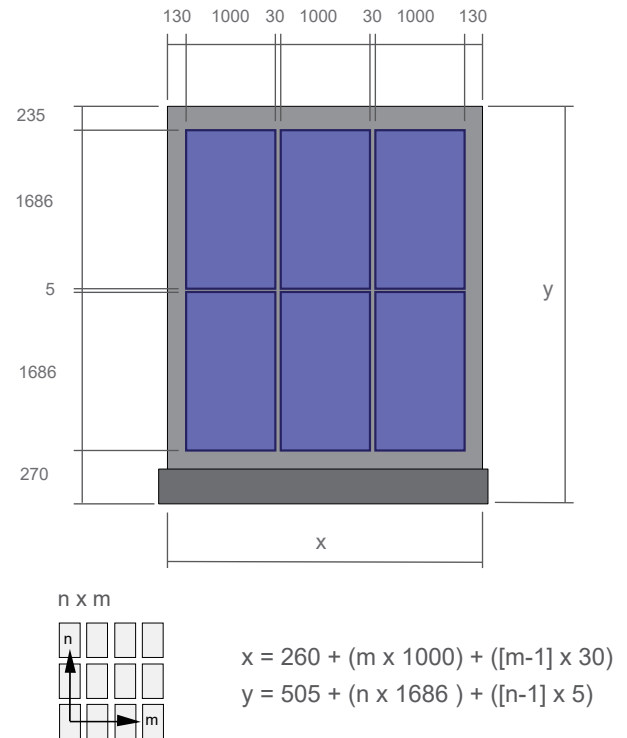
⁴ Nominal Operating Cell Temperature

Electrical specification measured under standard test conditions: Irradiation 1 kW/m² with light spectrum AM 1.5 and a cell temperature of 25°C.

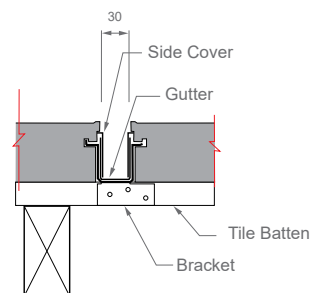
Pitched Roof Integration

Sleek, low-profile integrated solar that replaces the roof covering for an improved aesthetic and for simple roof maintenance, now at similar cost to above-roof panels. Simple, beautiful, durable.

Solar never looked so good.



Side Detail



Gutter Detail
(joined flashings)