Proposed cartlodge, widening of the existing dropped kerb and ancillary development at 18 Middle Street, Great Gransden, SG19 3AD.

MATERIALS PACK

Rooflights – Clement Conservation style (972mm wide x 1169mm high)

Polyester powder coated (Black) matt

Refer to the attached, scaled drawings

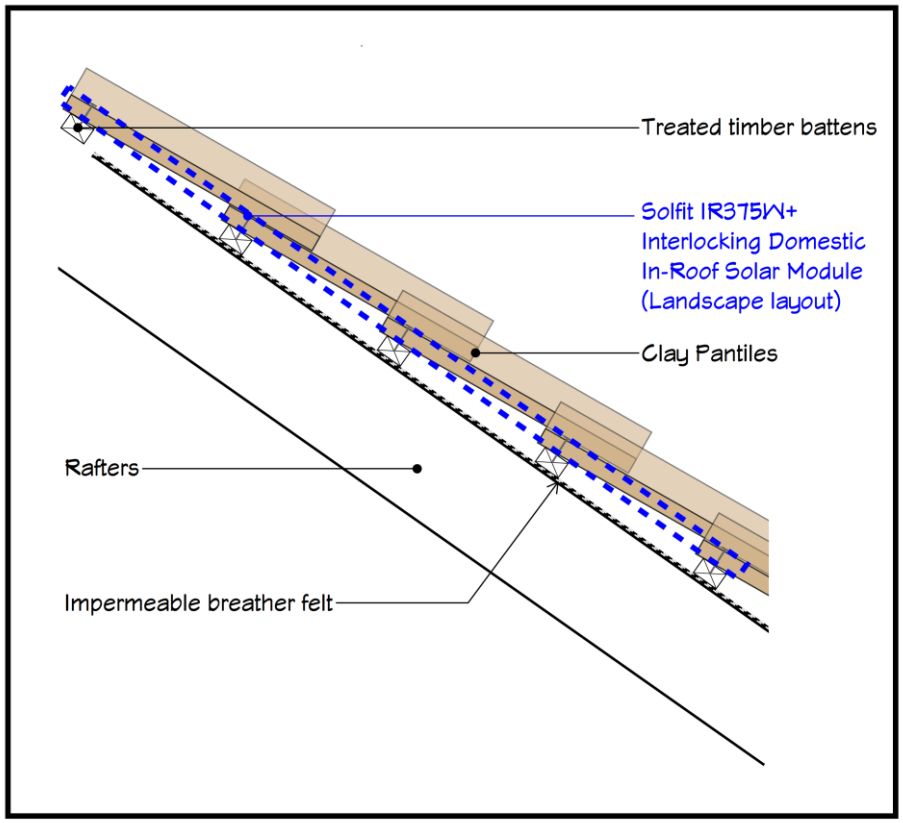


Example of Clements Conservation Rooflights
with a pantile covered roof

Proposed cartlodge, widening of the existing dropped kerb and ancillary development at 18 Middle Street, Great Gransden, SG19 3AD.

8No. Solfit In-Roof (recessed solar panels)

Module Dimensions 1850 x 1105.4 x 35.52mm

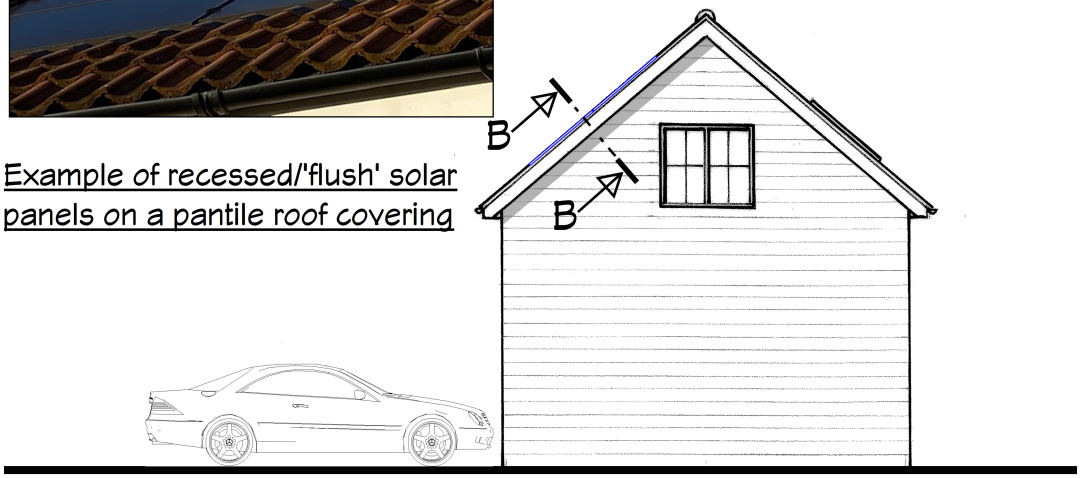


SECTION B - B

1:10 approx.



Example of recessed/'flush' solar panels on a pantile roof covering



PROPOSED SOUTH-EAST ELEVATION

1 : 100

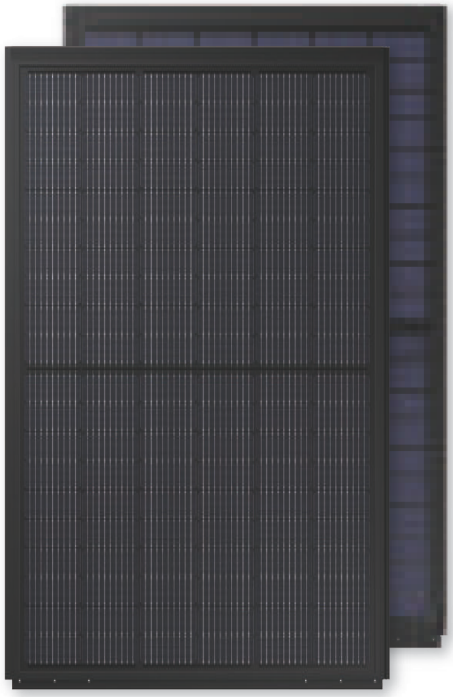
Proposed cartlodge, widening of the existing dropped kerb and ancillary development at 18 Middle Street, Great Gransden, SG19 3AD.



Solfit IR375W+

Interlocking Domestic In-Roof Solar Module

LANDSCAPE



SOLFIT LTD

A UK based Company renowned for our innovative approach to design. We work with a Global team of manufacturers to produce products which simplify the installation process while delivering high end aesthetics at affordable prices.

KEY FEATURES

Patented 'interlocking' design
PV modules with interlocking frames create a watertight seal and stunning low-profile aesthetics

Minimal Components
Simple design reduces installation times onsite and packing errors at distributors

Industry Leading Safety
Highest fire rating of any panel
Double glass delivers unrivalled durability

Excellent low light performance
Excellent low light performance on cloudy days mornings and evenings

No Plastic
Unique design which requires no plastic trays

QUALIFICATIONS & CERTIFICATES

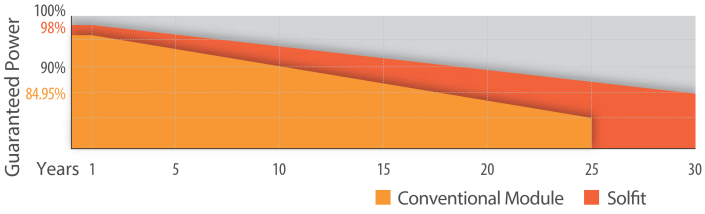
- IEC 61215, IEC 61730, IEC 62941
- ISO 9001: Quality Management System
- ISO 14001: Environment Management System
- ISO 45001: Occupational Health and Safety

WARRANTY

12 YEARS **Product Warranty**

30 YEARS **Performance Warranty**

Additional Value From Solfit's Linear Warranty



SOLFIT
SOLFIT
Noon Howe Melkinthorpe, Penrith CA10 2DR
E: sa;es@solfit.co.uk www.Solfit.co.uk

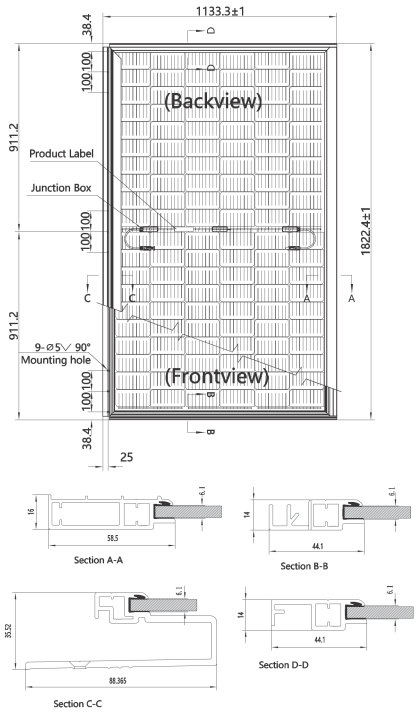
CNBM | JETION SOLAR Visionary Green Energy

Proposed cartlodge, widening of the existing dropped kerb and ancillary development at 18 Middle Street, Great Gransden, SG19 3AD.



Solfit Sunlink P375w is a Tier one panel with a patented interlocking design, each module simply interconnecting to the next to create a stunning low profile finish. The double glass design combines inroof aesthetics with industry leading safety credentials for both fire and wind.

DIMENSION



Remarks

ELECTRICAL DATA

TYPE (Tolerance: 0 - +5W)	SIR375w+		SIR380w+	
Test Condition	STC	NMOT	STC	NMOT
Maximum Power Pmax (W)	375	284.05	380	288.09
Maximum Power Voltage Vmp (V)	34.5	32.50	34.7	32.70
Maximum Power Current Imp (A)	10.87	8.74	10.96	8.81
Open Circuit Voltage Voc (V)	41.5	39.10	41.7	39.30
Short Circuit Current Isc (A)	11.49	9.21	11.58	9.28
Module Efficiency (%)	18.34%		18.58%	

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5
NMOT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

Measuring tolerance: ±3%

REAR SIDE POWER GAIN (JT365SIh(B))

Power Gain	5%	10%	15%	20%	25%	30%
Maximum Power - Pmax (W)	383	402	420	438	456	475
Maximum Power Voltage -Vmp (V)	34.1	34.1	34.1	34.2	34.2	34.2
Maximum Power Current -Imp (A)	11.23	11.79	12.32	12.81	13.34	13.89
Open Circuit Voltage -Voc (V)	41.1	41.1	41.1	41.2	41.2	41.2
Short Circuit Current -Isc (A)	11.93	12.49	13.02	13.51	14.04	14.59

TEMPERATURE RATINGS

Temperature Coefficient of Isc (αIsc)	+0.048%/°C
Temperature Coefficient of Voc (βVoc)	-0.27%/°C
Temperature Coefficient of Pmax (γPmp)	-0.35%/°C
Normal Module Operating Temperature (NMOT)	41°C±3°C

OPERATING PARAMETERS

Maximum System Voltage	1500V/DC(IEC)
Operating Temperature	-40°C-+85°C
Maximum Series Fuse	20A
Maximum Test Load,Push/Pull	5400Pa/2400Pa
Conductivity at Ground	≤ 0.1Ω
Safety Class	II
Resistance	≥100MΩ
Voc and Isc Tolerance	±3%
Bifaciality	65±5%

MECHANICAL DATA

Solar Cell Type	Mono 83×166 mm(6 inches)
Number of Cells	120 [2 x (10 x 6)]
Module Dimensions	1850×1105.4×35.52 mm(72.8×43.5×1.4 inches)
Weight	25 kg(55.1 lb)
Front Cover	2.0 mm (0.08 inches), high transmission, AR coated tempered glass
Back Cover	High transmission, tempered, black grid glass
Frame	Black powder coating aluminum alloy
J-Box	≥IP68
Cable	4.0 mm² solar cable, 200 mm(7.9 inches)
Number of diodes	3
Connector	Staubi EVO2

PACKAGING CONFIGURATION

Module per pallet	27 pieces
Module per 40'HQ container	24 pallets, 648 pieces

*Installation instruction must be followed. See the installation manual or contact our technical service department for further information on approved installation.
*The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to ongoing innovation, R&D enhancement, Jetion Solar (China) Co., Ltd. reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most

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