Solfit JT 420Wp - 425Wp

Dual-glass Monocrystalline Solar Module

108 Cells / MBB / Bifacial Mono TOPCon / 1500V DC / 21.9% Maximum Efficiency

QUALIFICATIONS & CERTIFICATES

- IEC 61215, IEC 61730, IEC 62941
- ISO 9001: Quality Management System
- ISO 14001: Environment Management System
- ISO 45001: Occupational Health and Safety
- MCS: BABT 8847 104

WARRANTY

15 YEARS Product Warranty

30 YEARS Performance Warranty

Additional Value From Solfit's Linear Warranty

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

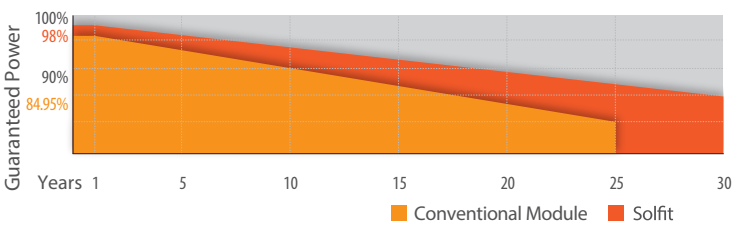
Minimal Components
Simple design reduces installation times onsite and packing errors at distributors

Industry Leading Safety
Fire class C certified, B Roof (t4) certification, MCS012
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

Highest Fire Rating
Meets the B Roof (t4) standard, providing the highest level of fire safety available for in-roof systems.



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ELECTRICAL DATA

TYPE (Tolerance: 0 - +5W)	JT420SJt(B)		JT425SJt(B)	
Test Condition	STC	NMOT	STC	NMOT
Maximum Power Pmax (W)	420	312	425	316
Maximum Power Voltage Vmp (V)	31.50	29.70	31.65	29.85
Maximum Power Current Imp (A)	13.34	10.51	13.43	10.59
Open Circuit Voltage Voc (V)	38.00	35.80	38.15	35.95
Short Circuit Current Isc (A)	14.11	11.23	14.20	11.31
Module Efficiency (%)	21.6%		21.9%	

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 (JT425SJt(B)

Power Gain	5%	10%	15%	20%	25%	30%
Maximum Power - Pmax (W)	441	462	483	504	525	546
Maximum Power Voltage -Vmp (V)	31.5	31.5	31.5	31.6	31.6	31.6
Maximum Power Current -Imp (A)	14.00	14.67	15.34	15.95	16.62	17.28
Open Circuit Voltage -Voc (V)	38	38	38	38.1	38.1	38.1
Short Circuit Current -Isc (A)	14.77	15.44	16.11	16.72	17.39	18.05

MECHANICAL DATA

Solar Cell Type	Mono 91×182 mm(3.6 x 7.2 inches)
Number of Cells	108 [2 x (9 x 6)]
Module Dimensions	1791.3×1229.7×36 mm(70.5×48.4×1.4 inches)
Weight	26.7 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, 1100 mm(43.3 inches)
Number of diodes	3
Connector	Staubi EVO2 compatible

TEMPERATURE RATINGS

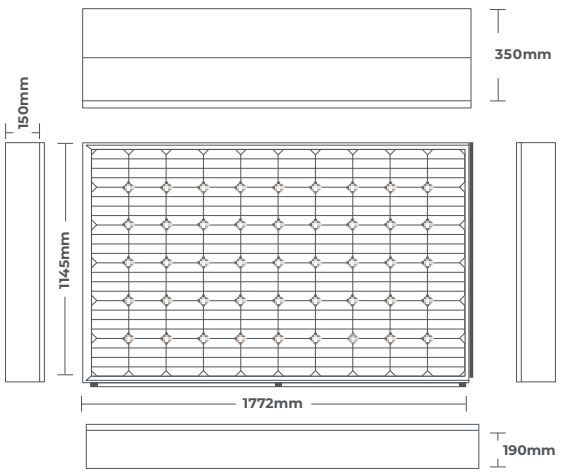
Temperature Coefficient of Isc (αIsc)	+0.046%/°C
Temperature Coefficient of Voc (βVoc)	-0.25%/°C
Temperature Coefficient of Pmax (γPmp)	-0.30%/°C
Normal Module Operating Temperature (NMOT)	43°C±3°C

OPERATING PARAMETERS

Maximum System Voltage	1500V/DC(IEC)
Operating Temperature	-40°C-+85°C
Maximum Series Fuse	30A
Conductivity at Ground	≤ 0.1Ω
Safety Class	II
Resistance	≥100MΩ
Voc and Isc Tolerance	±3%
Bifaciality	80±5%

DIMENSION

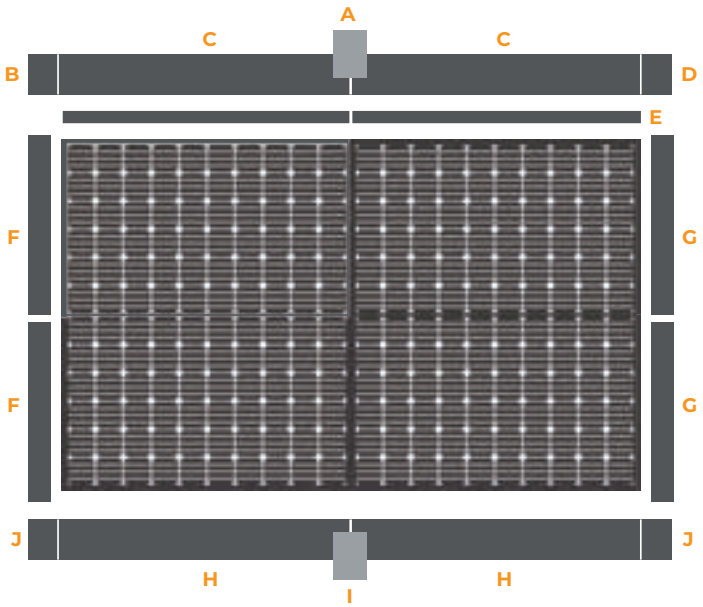
Installed dimentions:	1145 x 1772mm



SOLFIT KEY COMPONENTS

A	Top Flashing Joiner
B	Top Left Hand Side Flashing
C	Top Middle Flashing
D	Top Right Hand Side Flashing
E	Top Mounting Profile
F	Left Hand Side Flashing
G	Right Hand Side Flashing
H	Bottom Flashing
I	Bottom Flashing Joiner
J	Bottom Corner Flashing

Note:
For roman tiles Bottom Flashing (H) can be replaced with lead or lead substitute.



*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 recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.

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