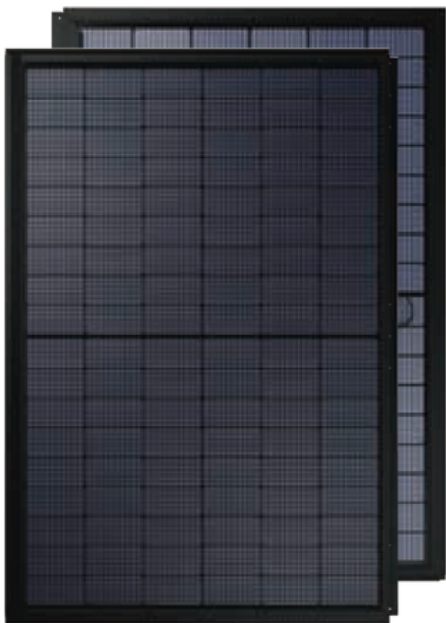


Solfit JT 425Wp - 435Wp

Dual-glass Monocrystalline Solar Module

108Cells / MBB / BifacialMonoTOPCon / 1500VDC / 22.4% Maximum Efficiency



SOLFIT LTD

Solfit is a proudly UK-designed and owned system, engineered for quality. Its ingeniously simple interlocking frame uses a minimal number of components, all manufactured in the UK, ensuring faster installation and less time spent on the roof.

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

Fireclass 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.



Ultra-high reliability

Dual-glass design with POE encapsulate, no PID risk 100% EL double inspection, stringent internal quality control.



High system voltage Compatible

Maximum 1500V DC system voltage saves total system cost.

JETION 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

MCS



15
YEARS
Product
Warranty



30
YEARS
Performance
Warranty

Additional Value from Solfit's Linear Warranty



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10 Newton Gate, Penrith, Cumbria, CA11 0BF



ELECTRICAL DATA

TYPE (TOLERANCE: 0 - +5W)	JT425SJt(B)	JT430SJt (B)	JT435SJt(B)
TEST CONDITION	STC	STC	STC430
MAXIMUM POWER P _{MAX} (W)	425	430	435
MAXIMUM POWER VOLTAGE V _{MP} (V)	31.65	31.80	31.95
MAXIMUM POWER CURRENT I _{MP} (A)	13.43	13.52	13.62
OPEN CIRCUIT VOLTAGE V _{OC} (V)	38.15	38.30	38.44
SHORT CIRCUIT CURRENT I _{SC} (A)	14.20	14.29	14.38
MODULE EFFICIENCY (%)	21.9%	22.1%	22.4%

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

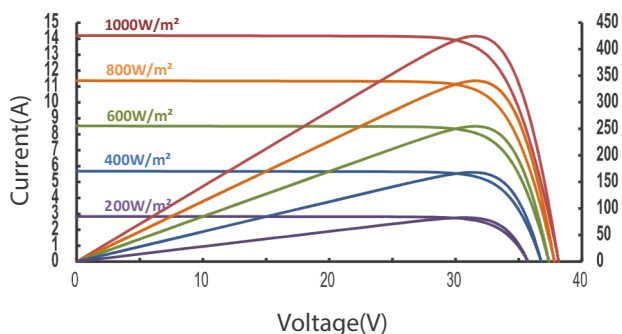
Measuring tolerance: ±3%

MECHANICAL DATA

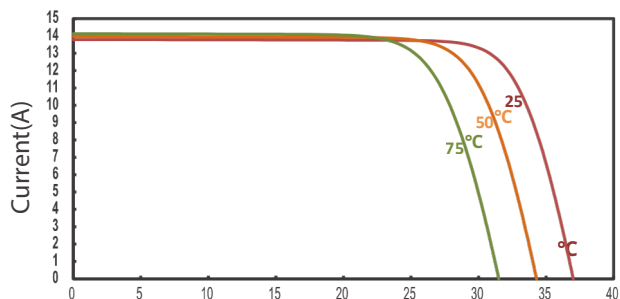
Solar Cell Type	Mono 91×182 mm(3.6 x 7.2 inches)
Number of Cells	108 [2 x (9 x 6)]
Module Dimensions	1817.3×1203.3×36 mm(71.5×47.4×1.4 inches)
Weight	26.7 kg(55.1 lb)
Front Cover	2.0 mm (0.08 inches), high transmission, AR coated tempered glass
Back Cover	high transmission, AR coated tempered glass
Frame	Black powder coating aluminum alloy
J-Box Cable	≥IP68
Number of diodes	3
Connector	Staubi EVO2 compatible

IV CURVES

IV Curves of JT425SJh(B) at different irradiances



IV Curves of JT425SJh(B) at different Temp



TEMPERATURE RATINGS

Temperature Coefficient of I _{sc} (αI _{sc})	+0.046%/°C
Coefficient of V _{oc} (βV _{oc})	-0.25%/°C
Temperature Coefficient of P _{max} (γP _{mp})	-0.30%/°C
Normal Module Operating Temperature (NMOT)	43°C±3°C

OPERATING PARAMETERS

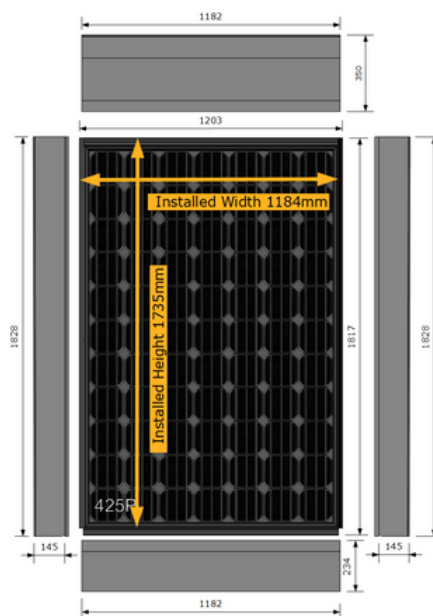
Maximum System Voltage	1500V/DC(IEC)
Operating Temperature	-40°C-+85°C
Maximum Series Fuse	30A
Conductivity at Ground	≤ 0.1Ω
Safety Class	II
Resistance	≥100MΩ
V _{oc} and I _{sc} Tolerance	±3%
Bifaciality	80±5%

REAR SIDE POWER GAIN (JT425SJt(B))

Power Gain Maximum Power	5%	10%	15%	20%	25%	30%
P _{max} (W) Maximum Power	441	462	483	504	525	546
Voltage - V _{mp} (V) Maximum Power	31.5	31.5	31.5	31.6	31.6	31.6
Current - I _{mp} (A) Open Circuit	14.0	14.6	15.3	16.1	16.6	17.3
Voltage - V _{oc} (V) Short Circuit	38	38	38	38.1	38.1	38.1
CURRENT - I _{SC} (A)	14.7	15.4	16.11	16.72	17.4	18.1

DIMENSION

Installed dimensions: 1184mm x 1785mm



PACKAGING CONFIGURATION

Modules per pallet: 35

Module per 40'HQ container: 18 pallets, 630 pieces