



Flex 450W

Mono HJT Flexible Module

21.2%

Module
Efficiency

450W

Highest Power
Output

Product Advantages



Light, thin design

7.66kg weight, 3mm thickness, match various requirements for low-load projects



Ultra Flexible

Ultra-thin silicon wafers with advanced organic polymer encapsulation materials, minimum bending radius reach 0.30m, fit all kinds of curved surface perfectly



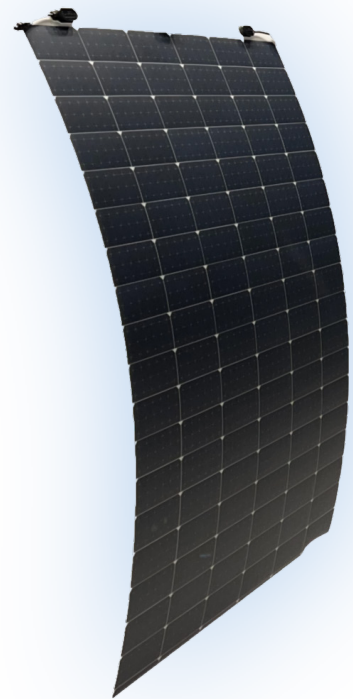
Customisable

Customised design for different scenarios



Convenient Installation

Easy installation and convenient transportation with lower cost



Backed by a 30-Year British Warranty

- ✓ 30 Year Performance Warranty
- ✓ 15 Year Materials & Workmanship Warranty



Half Cell, MBB Technology

Series-then-parallel cell connection design, more reliable soldering technology



LOW RISK BRITISH
PROCUREMENT



BRITISH TECHNICAL
SUPPORT



ALWAYS GRADE
"A" CELLS



BRITISH QUALITY
STANDARDS



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Flex 450W Solar Module

ELECTRICAL CHARACTERISTICS AT STANDARD TEST CONDITIONS (STC)

	UNIT	
Max-Power	W	450
Power Tolerance	W	0~3
Max-Power Voltage (Vm)	V	62.64
Max-Power Current (Im)	A	7.18
Open-Circuit Voltage (Voc)	V	73.44
Short Circuit Voltage (Isc)	A	7.59
Effective Module Efficiency	%	21.23
STC: Irradiance 1000W/m ² , module temperature 25°C, AM=1.5; *Measuring tolerance: ±3%		

ELECTRICAL DATA (NMOT)

	UNIT	
Max-Power (Pm)	W	337
Max-Power Voltage (Vm)	V	57.00
Max-Power Current (Im)	A	5.91
Open-Circuit Voltage (Voc)	V	66.83
Short-Circuit Current (Isc)	A	6.25
NMOT: Irradiance 800W/m ² , ambient temperature 20°C, AM=1.5, wind speed 1 m/s		

Specifications may change without notice.

MECHANICAL DATA

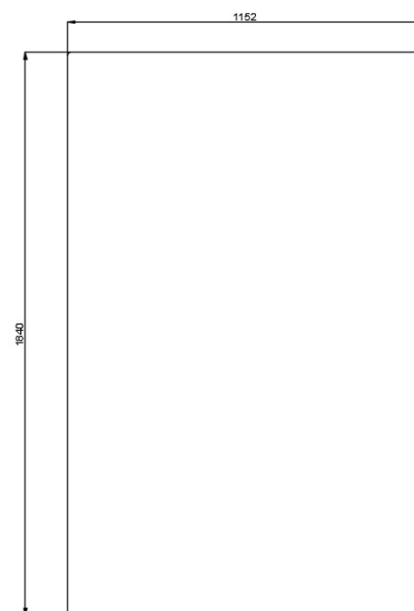
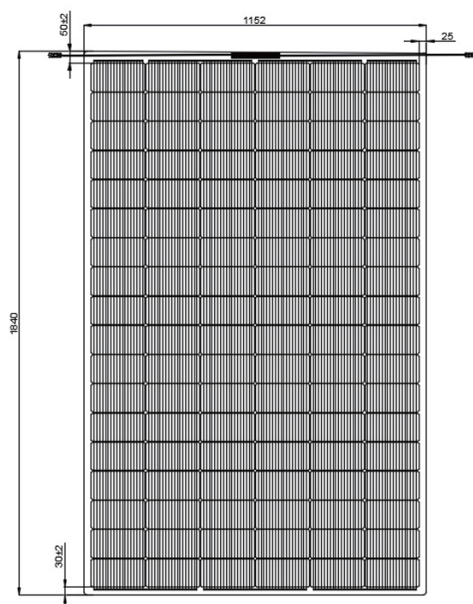
Installation Module Dimension (L x W x H)	1840 x 1152 x 3 mm
Weight	7.66kg
Back material/cell	182* 95.8 mono
Cell (quantity/material/type/dimensions)	108 (6*18)
Encapsulant	HPC
Frame	None
Junction Box (protection degree)	IP65/IP67
Cable (length/cross-section area)	Customisable / 4mm
Connector	MC4 Compatible
Bending radius	0.3M

Temperature Ratings

Nominal Operating Cell Temperature	45±2°C
Temperature Coefficient of Pmax	-0.4%/°C
Temperature Coefficient of Voc	-0.33%/°C
Temperature Coefficient of Isc	0.048%/°C

Packing Configuration

20' GP	432 pieces
40' HQ	1820 pieces
Maximum Ratings	
Operational Temperature	-40~+85°C
Maximum system voltage	1500 V DC (IEC)
Max Series Fuse Rating	15A



WEEE registration number (WPRN) is WEE/MM9084AA



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