FLEXTRON POWER

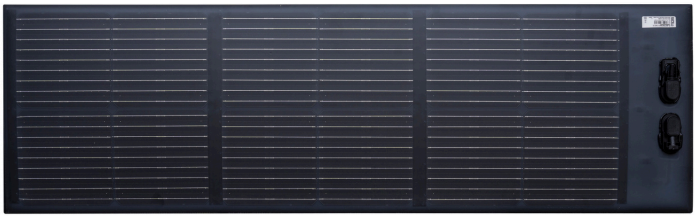
HIGH-EFFICIENCY SEMI-FLEXIBLE SOLAR PV MODULES

BiPVco
The Building Integrated Photovoltaic Company

DATA SHEET
FEBRUARY 2026

FLEXTRON Power is a high-efficiency 'peel and stick', highly durable and lightweight semi-flexible crystalline silicon (c-Si) solar module.

Modules are attached to the approved substrate to create a roofing system that can be installed in the same way as a conventional roof.



TECHNICAL CHARACTERISTICS

TWO STRING MODULES			MIN	MAX
Nominal Power	Pmax	[W]	65	290
Power Output Tolerance		[W]	+ / - 5%	
Maximum Power Voltage	Vmp	[V]	6.49	29.21
Short Circuit Current	Isc	[A]	10.63	10.63
Open Circuit Voltage	Voc	[V]	7.88	35.45
Maximum Series Fuse Rating		[A]	20	
Maximum System Voltage		[V]	1000	
Cell Efficiency (encapsulated)		%	22.4	
Module Width		mm	366	366
Module Length		mm	1209	4758
Watts Per Square Meter		W/m^2	155	175

FOUR STRING MODULES			MIN	MAX
Nominal Power	Pmax	[W]	85	385
Power Output Tolerance		[W]	+ / - 5%	
Maximum Power Voltage	Vmp	[V]	8.66	38.75
Short Circuit Current	Isc	[A]	10.63	10.59
Open Circuit Voltage	Voc	[V]	10.50	47.12
Maximum Series Fuse Rating		[A]	20	
Maximum System Voltage		[V]	1000	
Cell Efficiency (encapsulated)		%	22.4	
Module Width		mm	706	706
Module Length		mm	852	3216
Watts Per Square Meter		W/m^2	149	183

Standard Test Conditions (STC): 1000W/m2, 25ºC cell temperature, AM 1.5 spectrum.

The information contained within this document is correct at the time of publication. The company reserves the right to change product details and specifications without prior notice.

FEATURES AND BENEFITS

- **Cell efficiency, up to 24%**
- **High efficiency crystalline silicon solar modules**
- **Multiple bypass diode design to improve performance in shading/low light**
- **Semi-flexible solar panels featuring a strong reinforcing top layer**
- **No ballast, penetrations or racking required**
- **Low installed weight of less than < 4kg/m2**
- **Improved aesthetics**
- **Certified to IEC 61215, IEC 61730-1 and IEC 61730-2**
- **Quality system ISO 9001 (SGS)**
- **Made in the UK**
- **25-year performance warranty**

THERMAL CHARACTERISTICS

Temperature Coefficient of Pmpp	[%/ºC]	-0.39
Temperature Coefficient of Voc	[%/ºC]	-0.325
Temperature Coefficient of Isc	[%/ºC]	-0.0065
Module Operating Range	[ºC]	-40 to +85

MCS CERTIFIED
ISO 9001 SGS
MADE IN BRITAIN

+44 (0)330 113 1439
info@bipvco.com
www.bipvco.com