WWB Solar

Maxar® NEXT

Photovoltaics Module ＜マクサ＞

MaxarNEXT

Solar Module

Please feel superiority in light modules.
Always the industry's most advanced technology [Maxar]

We develop, design, manufacture, and sell WWB Solar 's solar cell module "[Maxar] ®" based on international common standards.
These products are widely used in general single-family residen
systems, general corporations, corporate housing, and even mega solar photovoltaic power plants.
In order to ensure the quality of our products, we repeatedly strive to select raw materials and manage production processes, maintain stability of solar cell modules, and enhance durability in harsh climates.
At the same time, all solar power generation modules re-perform the quality test at the time of shipment to maintain the quality.
Our goal is to provide more stable, high efficiency, lower cost solar cell modules.

Japan Quality

MaxarNEXT The original technology from which the space of the cell was excluded.

Debut!

WS-320M-6CS40

Maximum output ※1	Effective conversion efficiency <JIS standard> ※2
320W	18.81%

- ●Dimensions (mm): L1623 x W1048 x D40
- ●Frame Color: Black
- ●Weight:：19.0kg

* 1 The numerical value of the nominal maximum output is the value at AM 1.5, irradiation illuminance 1,000 W / m 2 prescribed in JIS C 8918, module temperature 25 ° C
* 2 Effective conversion efficiency (JIS standard) (%) = value obtained by dividing the maximum output by the product of solar cell module front area and irradiation intensity <JIS 8961 standard>
* 3 Cell conversion efficiency (J-PEC standard) (%) = Based on the effective conversion efficiency specified in JIS C 8960, the effective conversion efficiency (abbreviated as cell effective conversion efficiency) of the cell after modularization is calculated by the following equation Shall be calculated
Cell effective conversion efficiency = module nominal maximum output / (total area of solar cell × irradiance) ★ total area of solar cell = total area of 1 cell × 1 cell number of module
★ The total area of one cell includes the non-power generation section in the cell. However, the total area of the thin-film and compound cells does not include the accumulation portion
* 4 Rated load efficiency based on JIS 8961.
* 5 Numerical value calculated from effective effective conversion efficiency and power conditioner conversion efficiency.

Product features

- ●It is a PID free product.
- ●Module conversion rate is almost the same as solar cell before manufacturing.
- ●The allowable capacity of the module is within 0~5W.
- ●Attach a bypass diode to the solar cell module and avoid hot spots to damage the module.
- ●IES 61215 standard, passed the 5400 Pa mechanical load test.
- ●The frame of anodized aluminum alloy is strong and can withstand severe natural conditions.

Quality assurance

10 years quality assurance

システム 10年 保証

25 year solar photovoltaic module output guarantee

モジュール 25年 出力保証

* Module conversion efficiency guarantees 90% of minimum peak power within 12 years, 83% within 20 years, 80% or more within 25 years.

We will create new value and contribute to society.
WWB Corporation PV system group
http://wwwb.jp http://maxar.co.jp

★ Please note that specification may change without prior notice.

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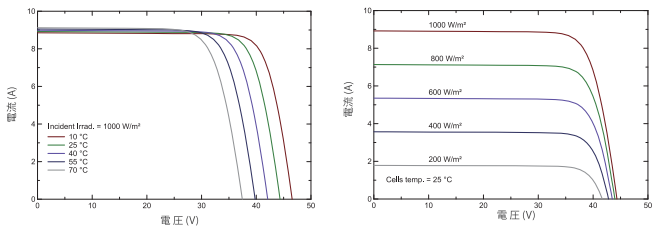
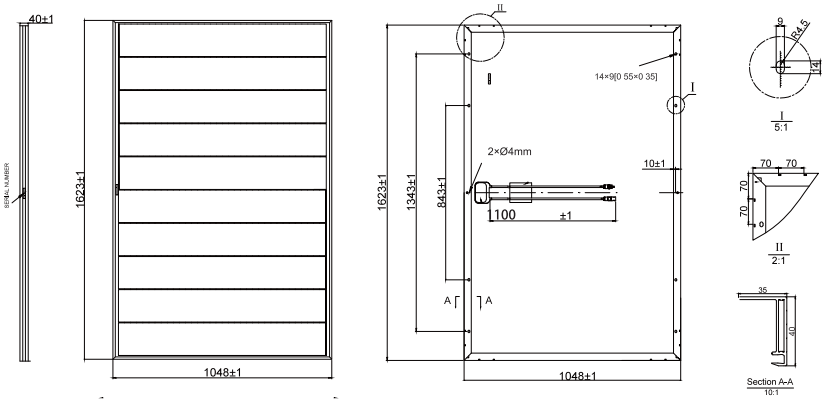
Mobile phone and PHS is available Office open (Mon-Fri) 9:00 18:00

Maxar® NEXT
Photovoltaics Module <マクサ>

MaxarNEXT Solar Module

WWB Solar

PV module specification

Model name	WS-320M-6CS40
Nominal Open circuit voltage (VoC)	44.85
Nominal Short circuit current (Isc)	9.11
Maximum output voltage (Vmpp)	36.4
Maximum output current (Impp)	8.80
Maximum system voltage (V)	1000
Voltage temperature coefficient	-0.32%/K
Current temperature coefficient	+0.05%/K
Power temperature coefficient	-0.40%/K
Fuse capacity (A)	15
cell	Mono crystal cell
Junction box	With 1 bypass diodes
cable	Length 1100 mm, cross section 1x4 mm 2
Glass	Tempered glass, 3.2 mm thick
sealing	EVA
Back seat	Laminated film
flame	Aluminum alloy
External dimensions(LxWxH)	1623×1048×40mm
Weight	19.0kg
IV curve	
Dimensions Unit: mm	

The above data is data measured under standard test conditions.
Solar solar radiation 1,000 W / m 2: Solar spectrum AM 1.5: Cel l temperature 25 ° C.
Electrical tolerance; ± 3%: nominal open circuit voltage / nominal short circuit current / maximum output voltage
maximum output current range ± 10%
This PV modules of this series are IEC 61215, IEC 60730-1 / 2
has passed the test of UL 1703.
★ It is calculated in Heisei 24th by J-PEC standard

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