WWB Solar

Maxar®

Maxar LIGHT Photovoltaics Module <Maxar>

Mono Cristelline series for residential market, industrial market

Solar Extra LIGHT Module

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

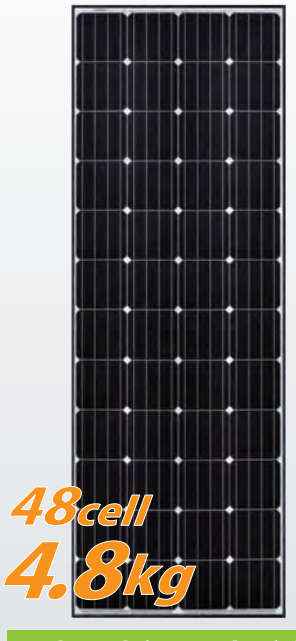
We develop, design, manufacture, and sell WWB Solar 's solar cell module "[Maxar] ®" based on international common standards.
These products are widely used in general single-family residential solar power generation systems, general corporations, corporate housing, and even mega solar photovoltaic power 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.

Super lightweight " Mono" crystal series — flexible ultra lightweight module, Supple flexibility without using tempered glass.

SMD105M-2X12

※1 Maximum output	Effective conversion efficiency <JIS standard> ※2	Effective conversion efficiency <J-PEC standard> ※3
105W	14.37%	17.9%

- ●Dimensions (mm): L1979 x W369 x D5 (20 *)
- ●Frame Color: Black
- ●Weight: 3.3 kg
- * Including junction BOX



SMD215M-4X12

※1 Maximum output	Effective conversion efficiency <JIS standard> ※2	Effective conversion efficiency <J-PEC standard> ※3
215W	15.76%	18.3%

- ●External dimensions (mm): L1979 x W689 x D5 (20 *)
- ●Frame Color: Black
- ●Weight: 4.8 kg
- * Including junction BOX

SMD325M-6X12

※1 Maximum output	Effective conversion efficiency <JIS standard> ※2	Effective conversion efficiency <J-PEC standard> ※3
325W	16.11%	18.4%

- ●Dimensions (mm): L1979 x W1019 x D5 (20 *)
- ●Frame Color: Black
- ●Weight: 7.7 kg
- * Including junction BOX

* 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

25 year solar photovoltaic module output guarantee

* 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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Abalance GROUP
We are the group company of Abalance

0120-365-821
Mobile phone and PHS is available Office open (Mon-Fri) 9:00 18:00

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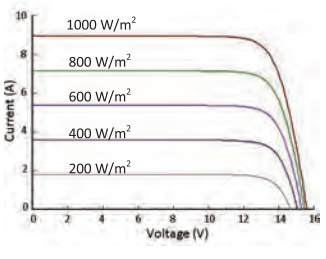
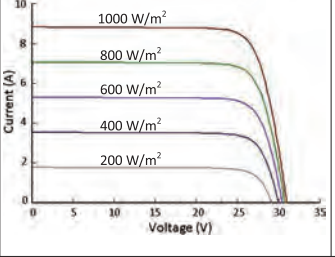
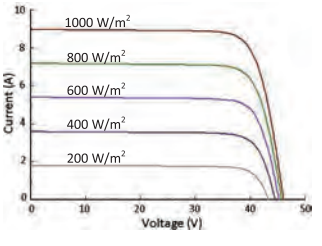
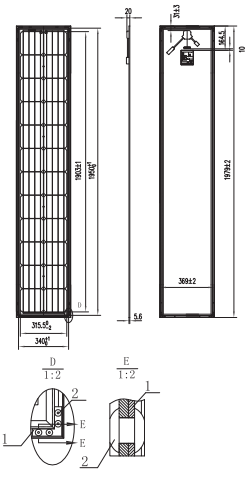
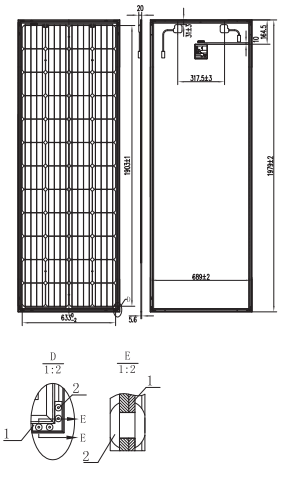
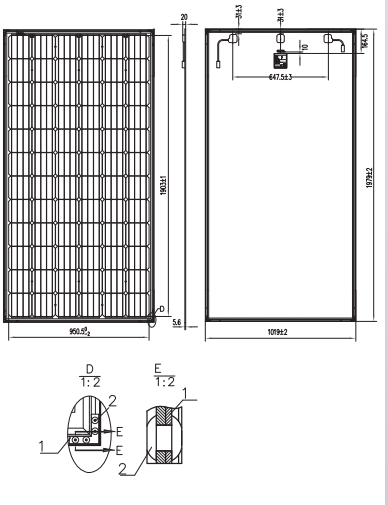
PV module specification

Model name	SMD105M-2X12	SMD215M-4X12	SMD325M-6X12
Nominal Open circuit voltage (VoC)	15.4	31.0	46.1
Nominal Short circuit current (Isc)	8.73	8.83	8.96
Maximum output voltage (Vmpp)	12.7	25.7	38.5
Maximum output current (Impp)	8.27	8.37	8.45
Maximum system voltage (V)	1000	1000	1000
Voltage temperature coefficient	-0.31%/K	-0.31%/K	-0.31%/K
Current temperature coefficient	+0.050%/K	+0.050%/K	+0.050%/K
Power temperature coefficient	-0.42%/K	-0.42%/K	-0.42%/K
Fuse capacity (A)	20	20	20
cell	2×12 Mono crystal cell (156 mm×156 mm)	4×12 Mono crystal cell (156 mm×156 mm)	6×8 Mono crystal cell (156 mm×156 mm)
Junction box	With 1 bypass diodes	With 2 bypass diodes	With 3 bypass diodes
cable	(+)150/(-450)mm、cross section 1x4mm2	(+)150/(-450)mm、cross section 1x4mm2	(+)150/(-450)mm、cross section 1x4mm2
Special surface plastics	Fluororesin, Thickness 2mm	Fluororesin, Thickness 2mm	Fluororesin, Thickness 2mm
sealing	EVA	EVA	EVA
Back seat	Laminated film	Laminated film	Laminated film
flame	Aluminum alloy	Aluminum alloy	Aluminum alloy
External dimensions	1979×369×5(20*)mm	1979×689×5(20*)mm	1979×1019×5(20*)mm
Weight	3.3kg	4.8kg	7.7kg
VI 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: Cell 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 EC 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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