



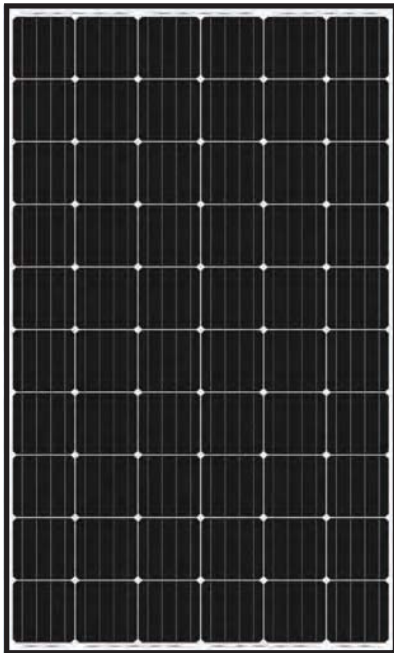
The PV module boasting the industry's highest class efficiency, "MAXAR"

Mono Crystalline module series

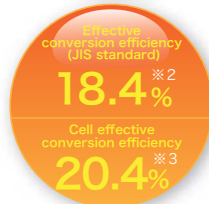
High power generation efficiency using high quality PERC cell for residential

Passivated Emitter and Rear Cell

Normal Poly

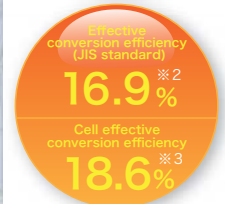


PERC



WS -300M-CI60 -BW

- Dimensions(mm) : L1640×W990×D40
- Flame Color:Black
- weight:19.1kg



WS- 275P-CI60

- Dimensions(mm) : L1640×W990×D40
- Flame Color:Silver
- weight:19.1kg

* 1 The numerical value of the nominal maximum output is the value at AM 1.5, irradiation illuminance 1,000 W / m² 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 whole 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 power is within ± 3%.
- Attach a bypass diode to the module and avoid hot spots to damage the module.
- IEC 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

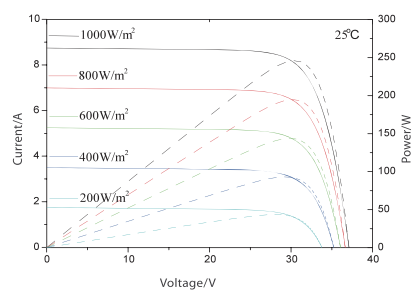
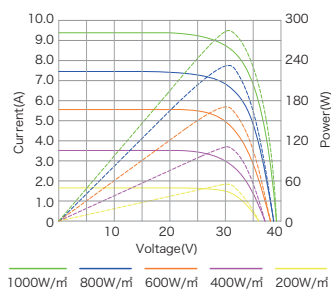
- 10 years quality assurance
- 25-year solar photovoltaic module output guarantee

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

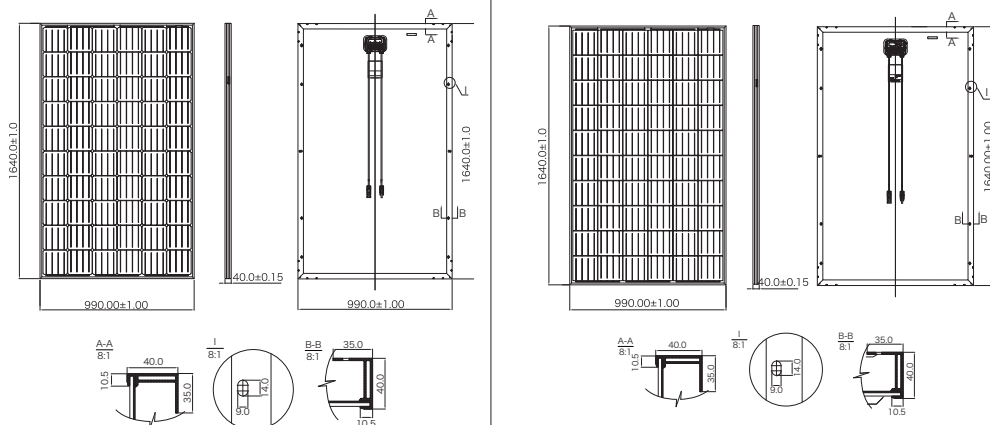
PV module specification

Model name	WS-300M-CI60-BW	WS-275P-CI60
Nominal Open circuit voltage (VoC)	39.8V	38.0V
Nominal Short circuit current (Isc)	9.60A	9.15A
Maximum output voltage (Vmpp)	32.2V	30.9V
Maximum output current (Impp)	9.31	9.28A
Maximum system voltage (V)	1000	1000
Voltage temperature coefficient	-0.307%/K	-0.292%/K
Current temperature coefficient	+0.039%/K	+0.045%/K
Power temperature coefficient	-0.423%/K	-0.408%/K
Fuse capacity (A)	20	20
cell	6×12 Mono crystal cell (125 mm×125 mm)	6×12 Mono crystal cell (125 mm×125 mm)
Junction box	With 3 bypass diodes	With 3 bypass diodes
cable	Length 990 mm, cross section 1×4 mm 2	Length 990 mm, cross section 1×4 mm 2
Glass	Tempered glass, 3.2 mm thick	Tempered glass, 3.2 mm thick
sealing	EVA	EVA
Back seat	Laminated film	Laminated film
flame	Aluminum alloy	Aluminum alloy
External dimensions(L×W×H)	1640×990×40mm	1640×990×40mm
Weight	19.1kg	19.1kg

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 I 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

