

Specification
of
Photovoltaic module

Type KC158G-2

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CODE : 3 9

Specification of photovoltaic module

1. Application

This specification is applicable for a photovoltaic module KC158G-2.

2. Electrical specification

Maximum power	(Pmax)	:	1 5 8 W + 1 0 / - 5 %
Test condition		:	Cell temperature 2 5 °C Irradiance AM 1 . 5 , 1 k W / m ²

3. Nominal characteristics

Maximum power	(Pmax)	:	1 5 8 W
Short circuit current	(Isc)	:	7 . 5 8 A
Open circuit voltage	(Voc)	:	2 8 . 9 V
Maximum power current	(Ipmax)	:	6 . 8 2 A
Maximum power voltage	(Vpmax)	:	2 3 . 2 V
Maximum system voltage		:	7 5 0 V
Test condition		:	Cell temperature 2 5 °C Irradiance AM 1 . 5 , 1 k W / m ²

4. Physical specification

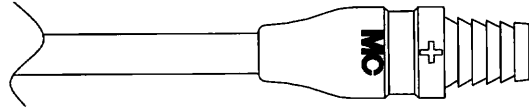
Drawing. No.	AC - 5 6 2 3 8 5 - 8
Dimension	1 2 9 0 × 9 9 0 × 3 6 mm
Mass	1 6 kg

5. Output cable

The symbol of the waterproof connector distinguishes positive pole terminal from negative pole terminal.

① Positive pole terminal

Connector symbol : +



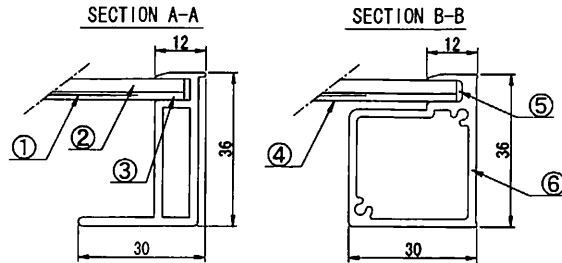
② Negative pole terminal

Connector symbol : -



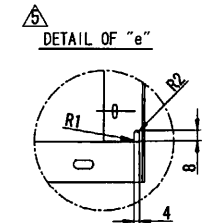
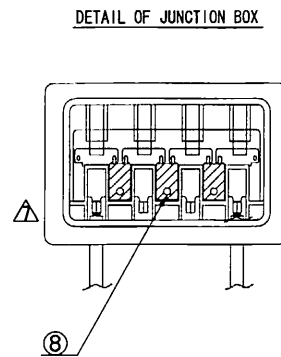
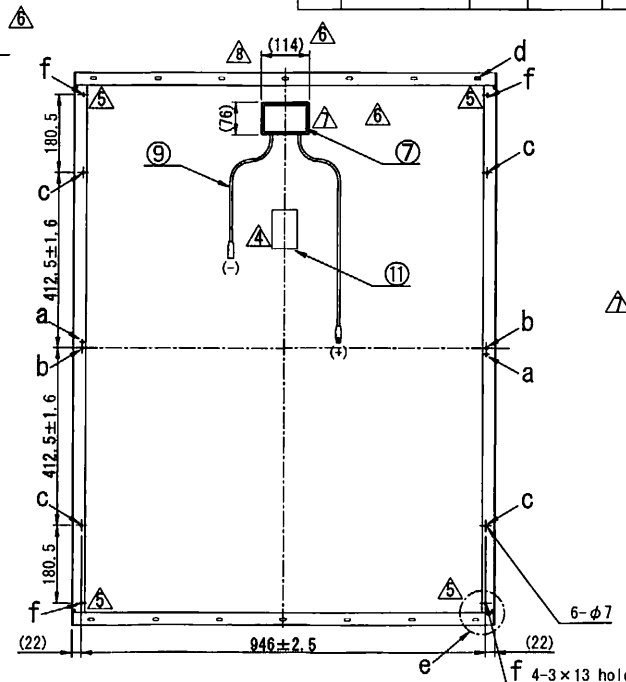
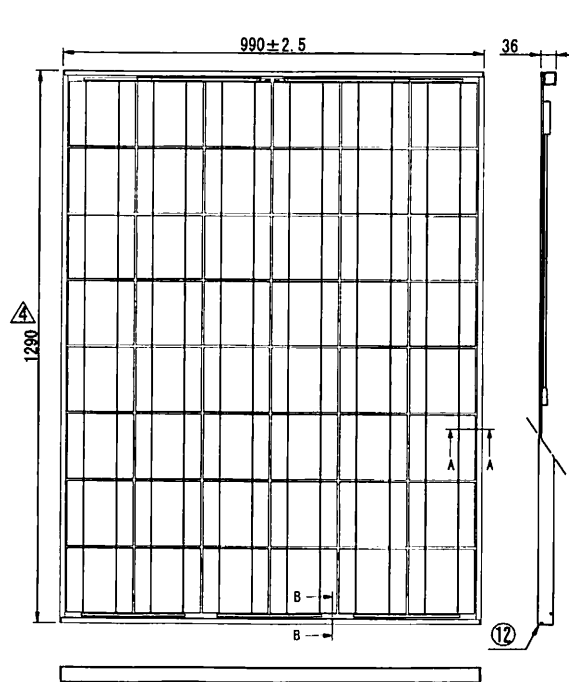
6. Remarks

- ① Do not get on the top of module to avoid unexpected damage on it.
- ② Do not keep the module under the hot / humid circumstances to avoid visual problem on module.

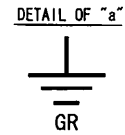


TOLERANCE LIST (mm)	
DIMENSION	TOLERANCE (±)
~ 6	0.2
6 ~ 30	0.5
30 ~ 120	0.8
120 ~ 315	1.2
315 ~ 1000	2.0
1000 ~	2.5

No.	DESCRIPTION	QT.	MTL.	REMARKS	No.	DESCRIPTION	QT.	MTL.	REMARKS
①	SOLAR CELL	4 8	Si	PSC150 \triangle	⑦	JUNCTION BOX	1 S.	PPE	BYPASS DIODE
②	GLASS	1	\triangle	LOW-IRON TEMPERED	⑧	BY-PASS DIODE	3 S.	\triangle	\triangle
③	POTTANT	1	EVA	\triangle	⑨	CABLE	1 S.	\triangle	3.5mm ² (+)840mm \triangle (-)640mm \triangle
④	BACK SHEET	1	\triangle PET	WEATHER-RESISTANT	⑩	\triangle CAP=CON	2 S.	\triangle	\triangle
⑤	BUTYL	1 S.	\triangle	\triangle	⑪	PANEL SEAL	1	PET \triangle	\triangle
⑥	FRAME	1 S.	Al	color-SILVER	⑫	T. P. SCREW	8	SUS	\triangle



- \triangle a : GROUND MARK
- \triangle b : GROUND INSTALLATION HOLE
- \triangle c : INSTALLATION HOLE
- \triangle d : DRAINING OFF HOLE(14 PLACES)
- \triangle f : CABLE CLAMP HOLE



TOLERANCE REFER TO TOLERANCE LIST	NAME \triangle PHOTOVOLTAIC MODULE
SCALE FREE	
DATE 2002. 1. 25	TYPE KC158G-2
	DWG. NO. AC-562385- \triangle