

Specification  
of  
Photovoltaic module

Type KC125G-2

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CODE : 3 F

## Specification of photovoltaic module

### 1. Application

This specification is applicable for a photovoltaic module KC125G-2.

### 2. Electrical specification

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

### 3. Nominal characteristics

Maximum power		:	1 2 5 W
Short circuit current	(Isc)	:	8. 0 0 A
Open circuit voltage	(Voc)	:	2 1. 7 V
Maximum power current	(Ipmax)	:	7. 2 0 A
Maximum power voltage	(Vpmax)	:	1 7. 4 V
Maximum system voltage		:	7 5 0 V
Test condition		:	Cell temperature 2 5 °C Irradiance AM 1. 5, 1 kW / m <sup>2</sup>

### 4. Physical specification

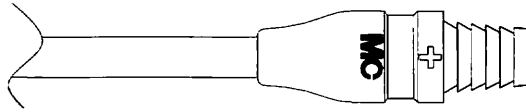
Drawing. No.	AC - 5 6 2 4 1 0 - 10
Dimension	1 4 2 5 × 6 5 2 × 3 6 mm
Mass	1 2. 2 kg

## 5. Output cable

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

## ① Positive pole terminal

Connector symbol : +



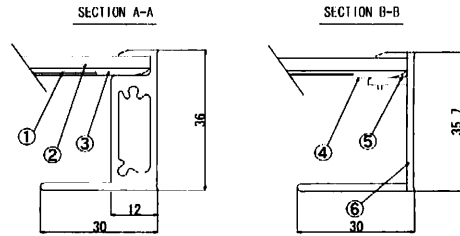
## ② Negative pole terminal

Connector symbol : -

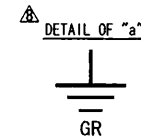
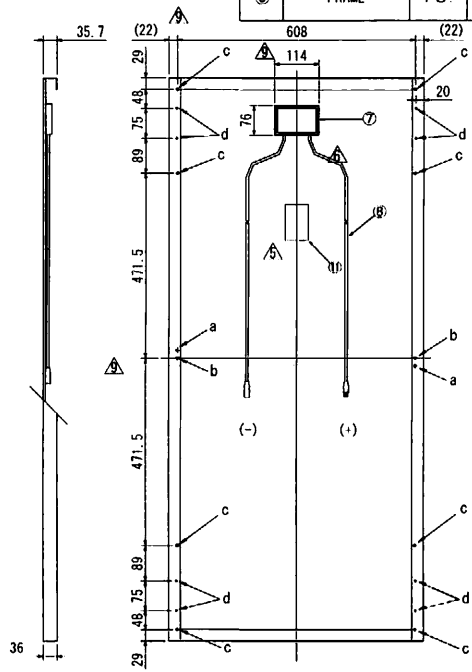
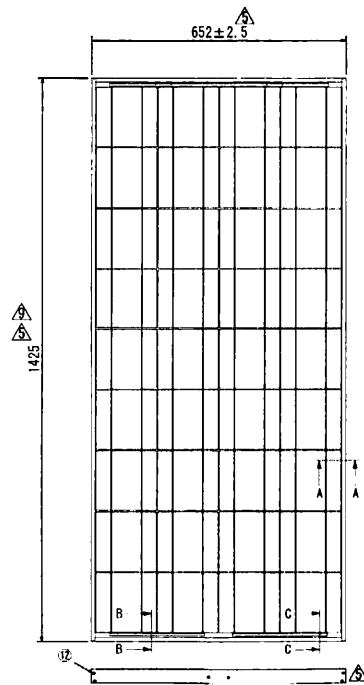


## 6. Remarks

- 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.

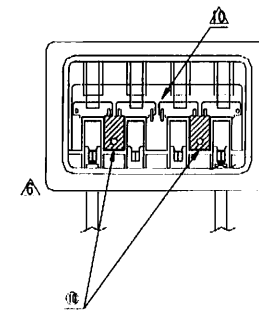


No.	DESCRIPTION	QT.	MTL.	REMARKS	No.	DESCRIPTION	QT.	MTL.	REMARKS
①	SOLAR CELL	36	Si	RSC150 d. Blue CELL	⑦	JUNCTION BOX	1 S.	PPE	BY-PASS DIODE
②	GLASS	1	-	LOW-IRON TEMPERED	⑧	OUTPUT CABLE	1 S.	-	3.5mm (+) 800mm (-) 800mm
③	POTTANT	1 S.	EVA	-	⑨	CAP-CON	2 S.	-	-
④	BACK SHEET	1	PET	WEATHER-RESISTANT	⑩	BY-PASS DIODE	2 S.	-	-
⑤	BUTYL	1 S.	-	-	⑪	LABEL	1	PET	-
⑥	FRAME	1 S.	Al	color-BLACK	⑫	T. P. SCREW	8	SUS	-

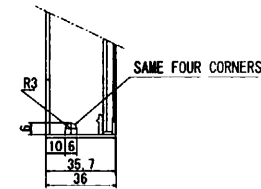


- a: GROUND MARK
- b: GROUND INSTALLATION HOLE (2-φ7)
- c: INSTALLATION HOLE (8-φ7)
- d: CABLE CLAMP HOLE (8-φ4.7)

DETAIL OF JUNCTION BOX



SECTION C-C



TOLERANCE LIST (mm)	
DIMENSION	TOLERANCE (±)
~ 6	0.3
6 ~ 30	0.5
30 ~ 120	0.8
120 ~ 315	1.2
315 ~ 1000	2.0
1000 ~	2.5

DRAWING <i>H. Goto</i>	SCALE FREE	NAME △ PHOTOVOLTAIC MODULE
DESIGNED <i>H. Goto</i>	TOLERANCE REFER TO TOLERANCE LIST	
CHECKED <i>H. Miyayama</i>	DATE 2002. 2. 12	TYPE KC125G-2
APPROVED <i>H. Tanagida</i>		DWG. NO. AC-562410-10