

Jiangsu Green Energy Power Technology Co.Ltd	The title: Specification for the use of bar codes		
	Serial number: GEP/ZC-2019-JS002	Version: A/1	The page number: 1 / 5
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1. The Purpose

This specification specifies the rules of bar codes and packaging coding of crystal silicon solar cell component products.

2. Scope of Application

This specification applies to the traceability of crystal silicon solar cell components manufactured by the Company and the storage of company product data.

3. Normative Reference Documents

GB/T18347-2001 128 Bar code (idt ISO/IEC15417:2000)

4. Responsibilities and Authority

Technology R & D Department

Responsible for writing, reviewing and updating of technical requirements.

5. Content and Process

5.1 Application of the product bar code and outer packaging code

5.1.1 Use of the bar code

➤ The bar code of crystal silicon solar cell component products is used to identify the origin, specification and model, production batch and sequence of the product, and is unique to trace back to the production process, use of raw materials, performance and quality level of the product.

5.1.2 Use of the outer packaging encoding

➤ The outer packaging code is used to identify the packaged component product to trace the number of products, bar codes and corresponding electrical performance parameters in the package according to the identification.

5.2 Preparation of the product bar code

5.2.1 Bar code preparation

➤ The bar code of crystal silicon solar cell components of the company shall be executed according to the B character set requirements in GB/T18347-2001<128 Bar code>.

5.2.2 Preparation rules for the bar code

5.2.2.1 The bar code for the product consists of GEP plus 15-bit letters and numbers. The number of digits and their representative meanings are as follows:

a) The GEP letter is the company anti-counterfeiting logo. For example ,

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GEP1000P1608AA0001

b) First to second places , 2 Arabic figures,represents the product sequence code.The company currently uses sequences of 3 standard sequences that can arrange up to 100 models.Product sequence code table is as follows:

Product sequence code control list

Product Code	Numeric code	Code description
A	10	6×12/6×24(half piece) arrange the standard components
B	11	6×10/6×20(half piece) arrange the standard components
C	12	6×10/6×20(half piece) arrange the double glass assembly
D	13	6×12/6×24(half piece) arrange the double glass assembly
E	14	6×11/6×22(half piece) arrange the standard components
G	15	6×11/6×22(half piece) arrange the double glass assembly
...
	99	Project components

c) Third to fourth places,2 Arabic figures,represents the company produced by the corresponding components;The table is shown below:

Control Table of the Component Production Company

Production factory	Production Company Description
00	Jiangsu Green Power Technology Co., Ltd
...	...

d) Fifth to eleventh,Seven-digit Arabic numerals,The representative means that:Production order number (batch number) of the component.The first of these names are the letters,represents the type of a component product.Represents by P or M (P for poly crystalline, M for single crystal).Second and third places,2 Arabic figures,represents the production year of the component product.Fourth and fifth places,2 Arabic figures,represents the month of the component product production.The last two are running code,It consists of two letters (the trial production phase is represented by the T-W beginning).

e) Twelfth to the fifteenth place,4 Arabic numbers,represents the production serial number of the component product.

5.2.2.2 Code coding Example

GEP1000P1608AA0001——Said the origin of Jiangsu Green Power Technology Co., Ltd.The Production Order is P1608AA.The first component of the A series of poly crystalline system, produced in August 2016.

5.3 Preparation of outer packing encoding

5.3.1 The packaging coding bar code of our crystal silicon solar cell component products shall be executed according to the requirements of B character set in GB/T18347-2001<128

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Bar code>.

5.3.1.1 Preparation rules for outer packing encoding

The outer packaging of the product is encoded as a 13-bit character set. The number of digits and their representative meanings are as follows:

(1) First to second places, 2-bit Arabic numerals, represents the company of the component production; The table is shown below:

Control Table of the Component Production Company

Production factory	Production Company Description
00	Jiangsu Green Power Technology Co., Ltd
...	...

(2) Third to four places, 2 Arabic figures, represents the year of the component package.

(3) Fifth to six places, 2 Arabic figures, represents the month of the component package.

(4) Seventh to the eighth places, 2 Arabic figures, represents the date of the component package.

(5) The ninth place, 1 Letter, represents the component package.

(6) Tenth to twelfth places, 3-bit Arabic numerals, represents the component packaging serial number.

(7) The thirteen place, 1 Arabic number, represents a component level, 1 represents a Class A component, 2 represents a Class A-component, 3 represents a Class B component, 4 represents a hybrid assembly, 5 represents rework good components, 6 represents reworking the defective product components.

5.3.1.2 Example of the encoding

10160902A0011——It represents the Class A component of Jiangsu Green Energy Power Technology Co., Ltd. packaged 1# in Class A, September 2, 2016.

5.4 Font, Settings

5.4.1 Font

Use of the General, Arial, Font No. 8

5.4.2 Settings

The bar code symbol system: code128; Dimension and Size: 0.17mm, Density: 1.074 characters/mm, Height: 6.7mm.

5.5 Use of product bar code and outer packaging code

5.5.1 The Use of the Bar code

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The bar code for crystal silicon solar cell components products is determined during the production schedule. During production as a raw material of the product that is glued to the assembly or printed on the A4 shipping mark of the box. The bar code using crystal silicon solar cell components can be traced back to the electrical performance parameters of this product.

5.5.2 Use of the outer packaging encoding

After the packaging, distinguish and classify different components according to the coding rules. Print on the A4 shipping mark of the component package, showing the bar code information and packaging information of the whole support package, to facilitate the warehousing and exit of the component.

6. Supporting Files

There is no.

7. Recording

There is no.

8. Additional files

There is no.

