

Subject: Module dimension upgrade for 158.75-cell series module

Doc. No: ECN2019007

To whom it may concern,

This Notice is to inform you Trina will upgrade module dimension for 158.75-cell series modules. By acquiring pollution degree 1 certification, we downsize module dimension which can bring 0.2%~0.3% module efficiency higher. This can enhance our product competitiveness (e.g. mono perc 72 layout backsheet product).

| Type | Cell Type | Module 400W Eff | Length (mm) | Width (mm) | Height (mm) |
|---------------|------------------|-----------------|-------------|------------|-------------|
| Trina-Now | 158.75 Mono PERC | 19.68% | 2024 | 1004 | 35 |
| Competitor-A | 158.75 Mono PERC | 19.88% | 2008 | 1002 | 40 |
| Competitor-B | 158.75 Mono PERC | 19.93% | 2015 | 996 | 40 |
| Competitor-C | 158.75 Mono PERC | 19.93% | 2015 | 996 | 40 |
| Competitor-D | 158.75 Mono PERC | 19.90% | 2010 | 1000 | 35 |
| Trina-upgrade | 158.75 Mono PERC | 19.93% | 2015 | 996 | 35 |

The influence scope and migration plan as follows.

I. Influence Scope:

1. Product side:

- 1) Product type: All 158.75 cell size products.
- 2) Influenced parameters: Size, weight, package information, mounting hole

| Product Type | Product Code Name | size | | weight | | Package info | | Mounting hole mm |
|--------------|----------------------------------------------------------------------------------|--------------|--------------|---------|---------|--------------|----------|--------------------------------------------------------------------|
| | | Old (mm) | New (mm) | Old(kg) | New(kg) | Old(pcs) | New(pcs) | |
| Back sheet | PE06H/DE06H(II)/DE06M(II)/ DD06M.05(II)/PE06H.TO DE06H.TO(II)/DE06M.TO(II) | 1698*1004*35 | 1690*996*35 | 18.7 | 18 | 30/780 | 30/780 | ● Long side mounting hole distance unchanged |
| | PE15H/DE15H(II)/ DE15M(II)/PE15H.TO/ DE15H.TO(II)/DE15M.TO(II) | 2024*1004*35 | 2015*996*35 | 22.8 | 22 | 30/660 | 30/660 | |
| Dual glass | PEG6H.20/DEG6H.20(II)/DEG6M.20(II) | 1705*1011*30 | 1700*1002*30 | 22.6 | 22 | 32/832 | 35/840 | ● Short side mounting hole distance becomes shorter |
| | DEG6HC.20(II)/DEG6MC.20(II) | | | | | | | |
| | PEG15H.20/DEG15H.20(II) /DEG15M.20(II) | 2031*1011*30 | 2024*1002*30 | 26.8 | 26 | 32/704 | 35/770 | |
| | DEG15HC.20(II)/DEG15MC.20(II) | | | | | | | |

Changzhou Trina Solar Energy Co. Ltd.

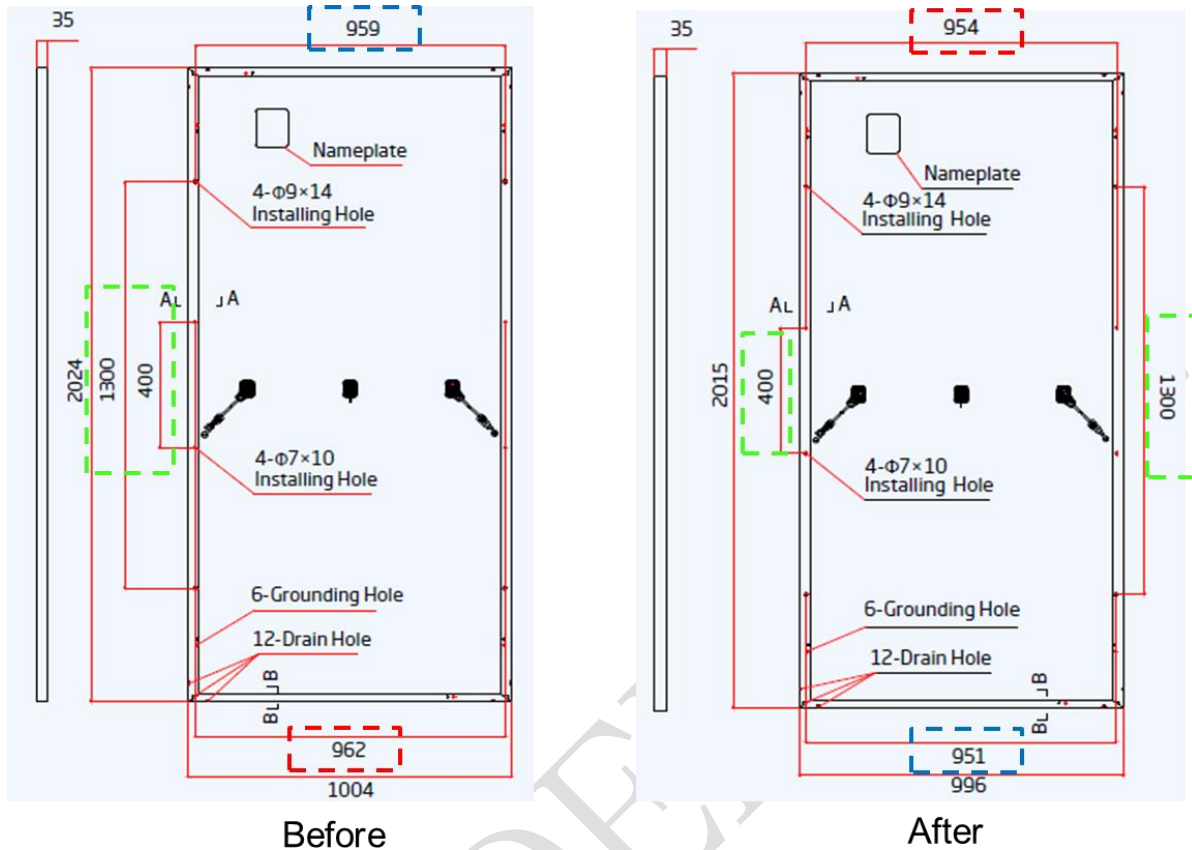
No 2 . Tianhe Road, Trina PV Industrial Park, New District,
Changzhou, Jiangsu, 213031

T: +86 519 8548 2008

F: +86 519 8517 6021

E: sales@trinasolar.com

3) Impact on the installation



- Long side mounting hole distance keeps the same.
- Short side mounting hole distance becomes shorter due to short side dimension decrease.

This may influence the racking system design on customer side. Since the product name remains unchanged, during the transition period, old size or new size should be clearly distinguished by order.

2. Sales Collateral

1) Collateral material changes:

- User manual: no change
- Warranty : no change

➤ 3rd party panfile:

DE15H(II),DE15M(II),PE15H,DEG15M.20(II),DEG15MC.20(II) will be ready at the end of December

PEG15H.20,DEG15H.20(II),DEG15HC.20(II) will be ready at 2020 Q1.

2) Certification:

➤ TUV basic certification (IEC 61215/61730) will be ready at 12/30/2019.

| Basic Certification | 201912 | 202001 | 202002 | 202003 | 202004 | Remark |
|---------------------|------------|--------|-----------|-----------|--------|----------------------------------|
| TUV (IEC2005/2016) | 2019/12/30 | | | | | 20 BOM selected as priority one. |
| UL/CSA | | | | 2020/3/15 | | |
| Ammonia test | | | 2020/2/15 | | | |
| Salt Mist test | | | 2020/2/15 | | | |
| Sand test | | | 2020/2/15 | | | |

➤ Regional certification are scheduled accordingly as below.

| Region Certification | 202001 | 202002 | 202003 | 202004 | 202005 | 202006 | 202007 | 202008 | Remark | |
|----------------------|--------|--------|-----------|-----------|-----------|--------|----------|--------|-----------------------------------------------------------------------|--------------------|
| CEC(AUS) | | | 2020.3.15 | | | | | | Regional migration plan is based on the application before 10/25/2019 | |
| CEC(CA) | | | | | 2020.5.15 | | | | | Based on UL 61730 |
| CQC(CHN) | | | | | | | | | | No Demand |
| CGC(CHN) | | | 2020.3.15 | | | | | | | |
| KEMCO (Korea) | | | | 2020.4.30 | | | | | | |
| JET(JPN) | | | | | | | | | | No Demand |
| MCS (UK) | | | 2020.3.15 | | | | | | | No sample required |
| SII (Israel) | | | | | 2020.5.15 | | | | | |
| Inmtero (Brazil) | | | | | | | | | | No influence |
| FSEC (Florida) | | | | | | | | | | No Demand |
| AAE (Puerto Rico) | | | | | | | | | | No Demand |
| RETIE (Colombia) | | | | | | | | | | No influence |
| Italia _ Fire | | | 2020.3.30 | | | | | | | |
| India BIS | | | | | | | | | | No influence |
| CB (Saudi) | | | | | | | 2020.7.1 | | | |

II. Migration Plan:

Based on certification schedule, the migration plan as follows.

Changzhou Trina Solar Energy Co. Ltd.
 No 2 . Tianhe Road, Trina PV Industrial Park, New District,
 Changzhou, Jiangsu, 213031
 T: +86 519 8548 2008
 F: +86 519 8517 6021
 E: sales@trinasolar.com

Overall migration time is 1/1/2020 while regional migration time are planned

accordingly.

| Region | | 2019.12 | 2020.01 | 2020.02 | 2020.03 | 2020.04 | 2020.05 | 2020.06 |
|-----------------|-------------|----------|---------|---------|---------|---------|---------|---------|
| CHN , JPN , LAC | | 2020.1.1 | | | | | | |
| EU | UK , Italia | 2020.4.1 | | | | | | |
| | Others | | | | | | | |
| APAC | AUS | 2020.4.1 | | | | | | |
| | Israel | 2020.6.1 | | | | | | |
| | Korea | 2020.5.1 | | | | | | |
| | Others | | | | | | | |
| MENA | Saudi | 2020.7.1 | | | | | | |
| | Others | | | | | | | |
| NA | | 2020.6.1 | | | | | | |

III Action plan:

- For order after 1/1/2020, please provide the new size product.(small region obey to regional plan).
- Regional PM inform each sales to choose the right size product.
- Internal departments should manage and control each order during the transition period.
- Action valid time: 11/1/2019 →

Product Strategy and Management

November 1st, 2019

Changzhou Trina Solar Energy Co. Ltd.
 No 2 . Tianhe Road, Trina PV Industrial Park, New District,
 Changzhou, Jiangsu, 213031
 T: +86 519 8548 2008
 F: +86 519 8517 6021
 E: sales@trinasolar.com