

## Declaration of Conformity

This is to declare that the products listed below including their required accessories have been manufactured according to the following EU directives:

1. these products are in conformity with the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits (the CE compliance).
2. According to the electromagnetic compatibility directive 2014/30/EU, Article 2, Paragraph 2(d), PV modules without additional electronic components do not require any qualification according to EMC directive. Consequently, the above models are compliant to EMC directive (the EMC compliance).

**Manufacturer:** Yuncheng Solar Technology Co.,Ltd

**Address** : Building H, Phase II, Standard Workshop, Runzhou Road, Huishan Industrial Transformation Cluster, Wuxi, Jiangsu, P.R.China.

**Manufacturer:** PT THORNOVA SOLAR INDONESIA

**Address** : Jalan Hang Kesturi Kabil, Desa/Kelurahan Batu Besar, Kec. Nongsa, Kota Batam, Provinsi Kepulauan Riau, 29466, Indonesia

### PRODUCT:

The following standards are applied:

EN IEC 61215-1:2016; EN IEC 61215-2:2016 / AC :2017+AC :2018

EN IEC 61730-1:2016; EN IEC 61730-2:2016 / AC :2017+AC :2018

### **PV Modules with Mono-crystalline Silicon Solar Cells (156.75mm to 158.75mm)**

72 cells: SS-xxx-72M (xxx = 330-385, in increment of 5)

72 cells: TS-BB72(xxx)-M (xxx = 330-385, in increment of 5)

60 cells: SS-xxx-60M (xxx = 275-320, in increment of 5)

60 cells: TS-BB60(xxx)-M(xxx = 275-320, in increment of 5)

### **PV Modules with Mono-crystalline Silicon Half-cut Solar Cells (158.75mm to 166mm)**

144 cells: SS-xxx-72MD (xxx = 390-415, in increment of 5)

144 cells: TS-BB72(xxx)(xxx = 390-415, in increment of 5)

120 cells: SS-xxx-60MD (xxx = 325-345, in increment of 5)

120 cells: TS-BB60(xxx)(xxx = 325-345, in increment of 5)

144 cells: SS-xxx-72MD (xxx = 420-450, in increment of 5)

144 cells: TS-BB72(xxx)(xxx = 420-450, in increment of 5)

144 cells: SS-xxx-72MDH (xxx = 420-450, in increment of 5)

144 cells: TS-BB72(xxx)(xxx = 420-450, in increment of 5)

120 cells: SS-xxx-60MD (xxx = 350-375, in increment of 5)

120 cells: TS-BB60(xxx)(xxx = 350-375, in increment of 5)

72 cells: SS-xxx-36MD (xxx = 215-225, in increment of 5)

72 cells: TS-BB36(xxx)(xxx = 215-225, in increment of 5)

### **PV Modules with 182mm Mono-crystalline Silicon Half-cut Solar Cells**

156 cells: SS-xxx-78MDH (xxx = 565-595, in increment of 5)

156 cells: TS-BB78(xxx)(xxx = 565-595, in increment of 5)

144 cells: SS-xxx-72MDH (xxx = 520-565, in increment of 5)

144 cells: TS-BB72(xxx)(xxx = 520-565, in increment of 5)

132 cells: SS-xxx-66MDH (xxx = 480-515, in increment of 5)

132 cells: TS-BB66(xxx)(xxx = 480-515, in increment of 5)

120 cells: SS-xxx-60MDH (xxx = 435-470, in increment of 5)

120 cells: TS-BB60(xxx)(xxx = 435-470, in increment of 5)

108 cells: SS-xxx-54MDH (xxx = 395-420, in increment of 5)

108 cells: TS-BB54(xxx)(xxx = 395-420, in increment of 5)

### **PV Modules with 210mm Mono-crystalline Silicon Half-cut Solar Cells**

132 cells: SS-xxx-66MDH-G12 (xxx = 640-670, in increment of 5)

132 cells: TS-BB66(xxx)-G12 (xxx = 640-670, in increment of 5)

120 cells: SS-xxx-60MDH-G12 (xxx = 585-605, in increment of 5)

120 cells: TS-BB60(xxx)-G12 (xxx = 585-605, in increment of 5)

108 cells: SS-xxx-54MDH-G12 (xxx = 525-545, in increment of 5)

108 cells: TS-BB54(xxx)-G12 (xxx = 525-545, in increment of 5)

96 cells: SS-xxx-48MDH-G12 (xxx = 465-485, in increment of 5)

96 cells: TS-BB48(xxx)-G12 (xxx = 465-485, in increment of 5)

84 cells: SS-xxx-42MDH-G12 (xxx = 405-425, in increment of 5)

84 cells: TS-BB42(xxx)-G12 (xxx = 405-425, in increment of 5)

110 cells: SS-xxx-55MDH-G12 (xxx = 530-555, in increment of 5)

110 cells: TS-BB55(xxx)-G12 (xxx = 530-555, in increment of 5)

100 cells: SS-xxx-50MDH-G12 (xxx = 480-505, in increment of 5)

100 cells: TS-BB50(xxx)-G12 (xxx = 480-505, in increment of 5)

90 cells: SS-xxx-45MDH-G12 (xxx = 430-455, in increment of 5)

90 cells: TS-BB45(xxx)-G12 (xxx = 430-455, in increment of 5)

80 cells: SS-xxx-40MDH-G12 (xxx = 390-400, in increment of 5)

80 cells: TS-BB40(xxx)-G12 (xxx = 390-400, in increment of 5)

**PV Modules with 210mm Mono-crystalline Silicon 1/3-cut Solar Cells**

150 cells: SS-xxx-75MTH-G12 (xxx = 485-510, in increment of 5)

150 cells: TS-BB75(xxx)-G12 (xxx = 485-510, in increment of 5)

120 cells: SS-xxx-60MTH-G12 (xxx = 385-405, in increment of 5)

120 cells: TS-BB60(xxx)-G12 (xxx = 385-405, in increment of 5)

**PV Modules with Half-cut 182mm N-type Mono-crystalline Silicon Solar Cells:**

156 cells: SS-xxx-78MDH(T) (xxx = 610-635, in increment of 5)

156 cells: TS-BBT78(xxx)(xxx = 610-635, in increment of 5)

144 cells: SS-xxx-72MDH(T) (xxx = 566-585, in increment of 5)

144 cells: TS-BBT72(xxx)(xxx = 565-585, in increment of 5)

132 cells: SS-xxx-66MDH(T) (xxx = 520-535, in increment of 5)

132 cells: TS-BBT66(xxx)(xxx = 520-535, in increment of 5)

120 cells: SS-xxx-60MDH(T) (xxx = 470-485, in increment of 5)

120 cells: TS-BBT60(xxx)(xxx = 470-485, in increment of 5)

108 cells: SS-xxx-54MDH(T) (xxx = 425-440, in increment of 5)

108 cells: TS-BBT54(xxx)(xxx = 425-440, in increment of 5)

**PV Modules with Half-cut 186mm N-type Mono-crystalline Silicon Solar Cells:**

108 cells: SS-xxx-54MDH(T) (xxx = 395-445, in increment of 5)

108 cells: TS-BBT54(xxx)(xxx = 395-445, in increment of 5)

**PV Modules with Half-cut 191.6mm N-type Mono-crystalline Silicon Solar Cells:**

144 cells: SS-xxx-72MDH-G10(T) (xxx = 595-620, in increment of 5)

144 cells: TS-BBT72(xxx)-G10 (xxx = 595-620, in increment of 5)

132 cells: SS-xxx-66MDH-G10(T) (xxx = 545-565, in increment of 5)

132 cells: TS-BBT66(xxx)-G10 (xxx = 545-565, in increment of 5)

120 cells: SS-xxx-60MDH-G10(T) (xxx = 495-515, in increment of 5)

120 cells: TS-BBT60(xxx)-G10 (xxx = 495-515, in increment of 5)

108 cells: SS-xxx-54MDH-G10(T) (xxx = 445-465, in increment of 5)

108 cells: TS-BBT54(xxx)-G10 (xxx = 445-465, in increment of 5)

**PV Modules with 156.75mm Poly-crystalline Silicon Solar Cells**

72 cells: SS-xxx-72P (xxx = 305-335, in increment of 5)

72 cells: TS-BB72(xxx)-P (xxx = 305-335, in increment of 5)

60 cells: SS-xxx-60P (xxx = 255-280 in increment of 5)

60 cells: TS-BB60(xxx)-P (xxx = 255-280 in increment of 5)

### **PV Modules with 158.75mm Poly-crystalline Silicon Half-cut Solar Cells**

144 cells: SS-xxx-72PD (xxx = 395-405, in increment of 5)

144 cells: TS-BB72(xxx)-PD (xxx = 395-405, in increment of 5)

120 cells: SS-xxx-60PD (xxx = 330-335, in increment of 5)

120 cells: TS-BB60(xxx)-PD (xxx = 330-335, in increment of 5)

### **PRODUCTS:**

The following standards are applied:

IEC 61215-1:2021; EN IEC 61215-1:2021

IEC 61215-2:2021; EN IEC 61215-2:2021

IEC 61215-1-1:2021 / EN IEC 61215-1-1:2021

IEC 61730-1:2023 ; IEC 61730-2:2023

### **PV Modules with Half-cut 182mm N-type Mono-crystalline Silicon Solar Cells:**

156 cells: TS-SWT78(xxx) (xxx = 610-635, in increment of 5)

156 cells: TS-SBT78(xxx) (xxx = 610-635, in increment of 5)

156 cells: TS-BBT78(xxx) (xxx = 610-635, in increment of 5)

156 cells: TS-BWT78(xxx) (xxx = 610-635, in increment of 5)

156 cells: SS-xxx-78MDH(T) (xxx = 610-635, in increment of 5)

144 cells: TS-SWT72(xxx) (xxx = 565-600, in increment of 5)

144 cells: TS-SBT72(xxx) (xxx = 565-600, in increment of 5)

144 cells: TS-BBT72(xxx) (xxx = 565-600, in increment of 5)

144 cells: TS-BWT72(xxx) (xxx = 565-600, in increment of 5)

144 cells: SS-xxx-72MDH(T) (xxx = 565-600, in increment of 5)

132 cells: TS-SWT66(xxx) (xxx = 520-550, in increment of 5)

132 cells: TS-SBT66(xxx) (xxx = 520-550, in increment of 5)

132 cells: TS-BBT66(xxx) (xxx = 520-550, in increment of 5)

132 cells: TS-BWT66(xxx) (xxx = 520-550, in increment of 5)

132 cells: SS-xxx-66MDH(T) (xxx = 520-550, in increment of 5)

120 cells: TS-SWT60(xxx) (xxx = 470-500, in increment of 5)

120 cells: TS-SBT60(xxx) (xxx = 470-500, in increment of 5)

120 cells: TS-BBT60(xxx) (xxx = 470-500, in increment of 5)

120 cells: TS-BWT60(xxx) (xxx = 470-500, in increment of 5)

120 cells: SS-xxx-60MDH(T) (xxx = 470-500, in increment of 5)

108 cells: TS-SWT54(xxx) (xxx = 425-450, in increment of 5)

108 cells: TS-SBT54(xxx) (xxx = 425-450, in increment of 5)

108 cells: TS-BBT54(xxx) (xxx = 425-450, in increment of 5)

108 cells: TS-BWT54(xxx) (xxx = 425-450, in increment of 5)

108 cells: SS-xxx-54MDH(T) (xxx = 425-450, in increment of 5)

**PV Modules with Half-cut 210mm N-type Mono-crystalline Silicon Solar Cells:**

132 Cells: TS-SWTxxx-66MDH-G12 (xxx = 680-710, in increment of 5)  
132 Cells: TS-SBTxxx-66MDH-G12 (xxx = 680-710, in increment of 5)  
132 Cells: TS-BBTxxx-66MDH-G12 (xxx = 680-710, in increment of 5)  
132 Cells: TS-BWTxxx-66MDH-G12 (xxx = 680-710, in increment of 5)  
132 Cells: SS-xxx-66MDH-G12(T) (xxx = 680-710, in increment of 5)  
120 Cells: TS-SWTxxx-60MDH-G12 (xxx = 620-645, in increment of 5)  
120 Cells: TS-SBTxxx-60MDH-G12 (xxx = 620-645, in increment of 5)  
120 Cells: TS-BBTxxx-60MDH-G12 (xxx = 620-645, in increment of 5)  
120 Cells: TS-BWTxxx-60MDH-G12 (xxx = 620-645, in increment of 5)  
120 Cells: SS-xxx-60MDH-G12(T) (xxx = 620-645, in increment of 5)

**PV Modules with Half-cut 182.2mm x 191.6mm n-type Mono-crystalline Silicon Solar Cells:**

144 cells: TS-SWT72(xxx)-G10 (xxx = 595-615, in increment of 5)  
144 cells: TS-SBT72(xxx)-G10 (xxx = 595-615, in increment of 5)  
144 cells: TS-BBT72(xxx)-G10 (xxx = 595-615, in increment of 5)  
144 cells: TS-BWT72(xxx)-G10 (xxx = 595-615, in increment of 5)  
144 cells: SS-xxx-72MDH-G10(T) (xxx = 595-615, in increment of 5)  
132 cells: TS-SWT66(xxx)-G10 (xxx = 545-560, in increment of 5)  
132 cells: TS-SBT66(xxx)-G10 (xxx = 545-560, in increment of 5)  
132 cells: TS-BBT66(xxx)-G10 (xxx = 545-560, in increment of 5)  
132 cells: TS-BWT66(xxx)-G10 (xxx = 545-560, in increment of 5)  
132 cells: SS-xxx-66MDH-G10 (T) (xxx = 545-560, in increment of 5)  
120 cells: TS-SWT60(xxx)-G10 (xxx = 495-510, in increment of 5)  
120 cells: TS-SBT60(xxx)-G10 (xxx = 495-510, in increment of 5)  
120 cells: TS-BBT60(xxx)-G10 (xxx = 495-510, in increment of 5)  
120 cells: TS-BWT60(xxx)-G10 (xxx = 495-510, in increment of 5)  
120 cells: SS-xxx-60MDH-G10(T) (xxx = 495-510, in increment of 5)  
108 cells: TS-SWT54(xxx)-G10 (xxx = 445-460, in increment of 5)  
108 cells: TS-SBT54(xxx)-G10 (xxx = 445-460, in increment of 5)  
108 cells: TS-BBT54(xxx)-G10 (xxx = 445-460, in increment of 5)  
108 cells: TS-BWT54(xxx)-G10 (xxx = 445-460, in increment of 5)  
108 cells: SS-xxx-54MDH-G10(T) (xxx = 445-460, in increment of 5)

**PV Modules with Half-cut 182.2mm x 199mm n-type Mono-crystalline Silicon Solar Cells:**

144 cells: TS-SWT72(xxx)-G13 (xxx = 615-640, in increment of 5)

144 cells: TS-SBT72(xxx)-G13 (xxx = 615-640, in increment of 5)  
144 cells: TS-BBT72(xxx)-G13 (xxx = 615-640, in increment of 5)  
144 cells: TS-BWT72(xxx)-G13 (xxx = 615-640, in increment of 5)  
144 cells: SS-xxx-72MDH-G13(T) (xxx = 615-640, in increment of 5)  
132 cells: TS-SWT66(xxx)-G13 (xxx = 565-585, in increment of 5)  
132 cells: TS-SBT66(xxx)-G13 (xxx = 565-585, in increment of 5)  
132 cells: TS-BBT66(xxx)-G13 (xxx = 565-585, in increment of 5)  
132 cells: TS-BWT66(xxx)-G13 (xxx = 565-585, in increment of 5)  
132 cells: SS-xxx-66MDH-G13(T) (xxx = 565-585, in increment of 5)  
120 cells: TS-SWT60(xxx)-G13(xxx = 515-530, in increment of 5)  
120 cells: TS-SBT60(xxx)-G13(xxx = 515-530, in increment of 5)  
120 cells: TS-BBT60(xxx)-G13(xxx = 515-530, in increment of 5)  
120 cells: TS-BWT60(xxx)-G13(xxx = 515-530, in increment of 5)  
120 cells: SS-xxx-60MDH-G13(T) (xxx = 515-530, in increment of 5)  
108 cells: TS-SWT54(xxx)-G13(xxx = 460-480, in increment of 5)  
108 cells: TS-SBT54(xxx)-G13(xxx = 460-480, in increment of 5)  
108 cells: TS-BBT54(xxx)-G13(xxx = 460-480, in increment of 5)  
108 cells: TS-BWT54(xxx)-G13(xxx = 460-480, in increment of 5)  
108 cells: SS-xxx-54MDH-G13(T) (xxx = 460-480, in increment of 5)

### **PV Modules with Half-cut 182.2mm x 210mm n-type Mono-crystalline**

#### **Silicon Solar Cells:**

132 cells: TS-SWT66(xxx)-G11(xxx = 595-620, in increment of 5)  
132 cells: TS-SBT66(xxx)-G11(xxx = 595-620, in increment of 5)  
132 cells: TS-BBT66(xxx)-G11(xxx = 595-620, in increment of 5)  
132 cells: TS-BWT66(xxx)-G11(xxx = 595-620, in increment of 5)  
132 cells: SS-xxx-66MDH-G11(T) (xxx = 595-620, in increment of 5)  
120 cells: TS-SWT60(xxx)-G11(xxx = 545-565, in increment of 5)  
120 cells: TS-SBT60(xxx)-G11(xxx = 545-565, in increment of 5)  
120 cells: TS-BBT60(xxx)-G11(xxx = 545-565, in increment of 5)  
120 cells: TS-BWT60(xxx)-G11(xxx = 545-565, in increment of 5)  
120 cells: SS-xxx-60MDH-G11(T) (xxx = 545-565, in increment of 5)  
108 cells: TS-SWT54(xxx)-G11(xxx = 485-505, in increment of 5)  
108 cells: TS-SBT54(xxx)-G11(xxx = 485-505, in increment of 5)  
108 cells: TS-BBT54(xxx)-G11(xxx = 485-505, in increment of 5)  
108 cells: TS-BWT54(xxx)-G11(xxx = 485-505, in increment of 5)  
108 cells: SS-xxx-54MDH-G11(T) (xxx = 485-505, in increment of 5)  
96 cells: TS-SWT48(xxx)-G11(xxx = 435-450, in increment of 5)  
96 cells: TS-SBT48(xxx)-G11(xxx = 435-450, in increment of 5)  
96 cells: TS-BBT48(xxx)-G11(xxx = 435-450, in increment of 5)  
96 cells: TS-BWT48(xxx)-G11(xxx = 435-450, in increment of 5)

96 cells: SS-xxx-48MDH-G11(T)(xxx = 435-450, in increment of 5)

**PV Modules with Half-cut 182.2mm x 169.25mm n-type Monocrystalline Silicon Solar Cells:**

156 cells: TS-SWT78(xxx)-G7(xxx = 560-595, in increment of 5)

156 cells: TS-SBT78(xxx)-G7(xxx = 560-595, in increment of 5)

156 cells: TS-BBT78(xxx)-G7(xxx = 560-595, in increment of 5)

156 cells: TS-BWT78(xxx)-G7(xxx = 560-595, in increment of 5)

156 cells: SS-xxx-78MDH-G7(T) (xxx = 560-595 in increment of 5)

144 cells: TS-SWT72(xxx)-G7(xxx = 515-550, in increment of 5)

144 cells: TS-SBT72(xxx)-G7(xxx = 515-550, in increment of 5)

144 cells: TS-BBT72(xxx)-G7(xxx = 515-550, in increment of 5)

144 cells: TS-BWT72(xxx)-G7(xxx = 515-550, in increment of 5)

144 cells: SS-xxx-72MDH-G7(T) (xxx = 515-550, in increment of 5)

120 cells: TS-SWT60(xxx)-G7(xxx = 430-455, in increment of 5)

120 cells: TS-SBT60(xxx)-G7(xxx = 430-455, in increment of 5)

120 cells: TS-BBT60(xxx)-G7(xxx = 430-455, in increment of 5)

120 cells: TS-BWT60(xxx)-G7(xxx = 430-455, in increment of 5)

120 cells: SS-xxx-60MDH-G7(T) (xxx = 430-455, in increment of 5)

**Remark: xxx indicates output power from the front side only**



December 18th, 2024