



# Certificate of Compliance

**Certificate:** 70057302

**Master Contract:** 265952

**Project:** 80141929

**Date Issued:** 2022-11-18

**Issued To:** Changshu Tlian Co.,Ltd  
No.6 Guanghua Huan Road, Guanghua  
Industrial park, Xinzhuang Town,  
Suzhou, Jiangsu, 215562  
China

**Attention:** Jing Li

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.*

**Issued by:** Vivian Zhao  
Vivian Zhao



## **PRODUCTS**

CLASS - C623482 - RECEPTACLES-Connectors for Photovoltaic Systems - Certified to US Standards

CLASS - C623402 - RECEPTACLES Connectors for Photovoltaic Systems

Separate entity PV locking type connectors, Model T4-PC-2, T4, T5, T6 and T7, single pole, consisting of male and female connectors, rated at 1000Vdc or 1500Vdc, suitable for the termination of single, insulated, stranded copper type USE-2\* or Photovoltaic Wire\* (PV Wire, RPV or RPVU) rated 90°C dry; 90°C wet; 1000Vdc or 2000Vdc; No. 12 AWG to 8AWG.

Model No(s).	Rating**	Cable Size	Application
T4-PC-2	30A 1500Vdc	12AWG	Raceway
	40A 1500Vdc	12AWG	Free Air**
T4-PC-2	40A 1500Vdc	10AWG	Raceway
	55A 1500Vdc	10AWG	Free Air**



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T4, T5, T6, T7	30A 1500Vdc	12AWG	Raceway
	40A 1500Vdc	12AWG	Free Air**
T4, T5, T6, T7	40A 1500Vdc	10AWG	Raceway
	55A 1500Vdc	10AWG	Free Air**
T6	55A 1000Vdc/1500Vdc	8AWG	Raceway
	70A 1000Vdc/1500Vdc	8AWG	Free Air**

Panel mounted(fixed) PV locking type, Model T4-PC-P1, T4-PC-P2, T4-PPE-P1 and T6, single pole, consisting of male and female connectors, rated at 1500Vdc, suitable for the termination of single, insulated, stranded copper type USE-2\* or Photovoltaic Wire\* (PV Wire, RPV or RPVU) rated 90°C dry; 90°C wet; or 2000Vdc; No. 14 to 10AWG.

Model No(s).	Rating**	Cable Size	Application
T4-PC-P1, T4-PC-P2, T4-PPE-P1	25A 1500Vdc	14AWG	Raceway
	35A 1500Vdc	14AWG	Free Air**
T4-PC-P1, T4-PC-P2, T4-PPE-P1	32A 1500Vdc	12AWG	Raceway
	40A 1500Vdc	12AWG	Free Air**
T4-PC-P1, T4-PC-P2, T4-PPE-P1	40A 1500Vdc	10AWG	Raceway
	55A 1500Vdc	10AWG	Free Air**
T6	25A 1500Vdc	14AWG	Raceway
	35A 1500Vdc	14AWG	Free Air**
T6	30A 1500Vdc	12AWG	Raceway
	40A 1500Vdc	12AWG	Free Air**
T6	40A 1500Vdc	10AWG	Raceway
	55A 1500Vdc	10AWG	Free Air**

#### **Notes:**

- \*The photovoltaic connectors are certified as a component only for use in a PV system with suitable cable under the electrical rating and installed with cable types in accordance with the CEC I and NEC, suitable for the purpose.
- These connectors are not for interrupting current.
- \*\* Single-conductor and single-conductor metal-sheathed or armoured cable, in a free air run, with a cable spacing not less than 100% of the largest cable diameter.
- For Model Nos. T4, T5, T6 and T7, the products may be with suffix -XY, (X=1 to 12, Y=A to N).

#### **APPLICABLE REQUIREMENTS**

CSA C22.2 No 182.5-14                      - Photovoltaic Connectors  
 UL 6703-2017 1st Ed.                      - Connectors for Use in Photovoltaic Systems



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## **MARKINGS**

See Report's Marking Section for details.

## **Notes:**

Products certified under Class C623402 and C6234 82 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). [www.scc.ca](http://www.scc.ca)

