

T6 CONNECTOR

PRODUCT OVERVIEW

T6 connectors use high quality materials that guarantee long-term reliability. Lower contact resistance and higher current transfer capability ensure high product efficiency. T6 connectors have IP68 water-proof rating and can be used in a wide operating temperature range from -40 °C to 90 °C.

CERTIFICATIONS

UL 6703: CSA

IEC 62852: TÜV-SÜD

UKCA, RoHS, REACH, NEC, PAHS and Halogen-free compliant
(no locking sleeve required)



ELECTRICAL DATA

Rated Voltage	IEC 1500 V _{DC} & UL1500 V _{DC}
Rated Current	70A 10 mm ² / 8 AWG
Contact Resistance	≤ 0.25 mΩ
Pollution Degree	Class II
Protection Class	Class II
Protection Degree	IP68 (when mated)
Fire Resistance	UL 94-V0
Temperature Range	- 40 °C ~ + 90 °C
Rated Impulse Voltage	16 kV



Male connector (-)



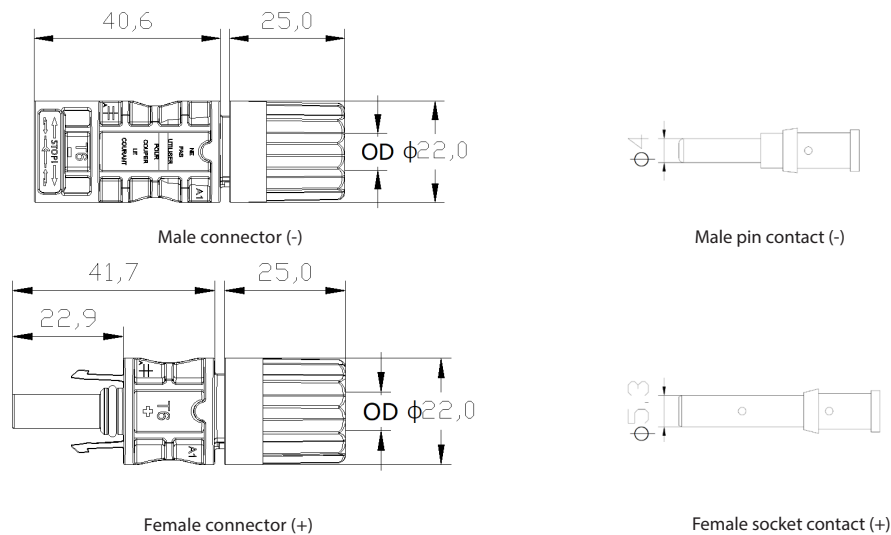
Female connector (+)



MECHANICAL DATA

Conductor Cross Section	IEC: 10mm ² ; UL: 8 AWG
Connector System	Φ 4.0 mm
Contact Material	Copper, Tin-plated
Type of Termination	Machined
Locking System (UL)	Locking type

ENGINEERING DRAWING (mm)



T6 ORDER INFORMATION

Model	SAP Code	Suffix	Rated Voltage	Rated Current	Φ Cable OD	Cable Specification
T6	11007397	10L	IEC 1500 V _{DC} /UL 1500 V _{DC}	IEC62852 70A/UL6703 70A	7.2-8.9mm	10mm ² /8AWG

ACCESSORIES ORDER INFORMATION

Product	SAP Code	Description	Packing Units
T6-10L-DT	42067333	T6-10L Disconnect Tool	80 units or 400 units
EC	11006811/11006812	Connector End Cap	1000 or 5000 pairs
T6-TOOLKIT	42067334	T6 Field Installation Toolkit	1 unit

T6-TOOLKIT COMPONENTS

Wire stripper tool	2 pieces
Wire crimping tool	1 piece
Cutting pliers	1 piece
T6 disconnect tool	1 piece
Metal wrench	2 pieces
T6-10L disconnect tool	1 piece
Installation manual	1 copy



T6-TOOLKIT SIZE

Size	360×345×75 mm (14.2×13.6×2.9 in)
Weight	3.1kg (6.8 lbs)

The specifications and features described in this datasheet may deviate slightly and are not guaranteed. Due to on-going innovation, research and product enhancement, CS Power Systems Inc. reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein. The connector must be isolated and disconnected from the power supply during the assembly or disassembly process. Do not disconnect under load. The use of a PV cable is recommended. Avoid any grease or oils contacting the body of the T6 or T4 PV connector. Please read the safety and installation instructions before using the connector.

CAUTION:

1. The exposure to or direct contact with chemicals or oils of T6 products may cause corrosion, degradation of performance, or cracking of the product, thus such exposure or direct contact should be strictly prohibited during the process of product manufacturing, transportation, installation and application. The chemicals that may come into contact with or be used in the process above, it is the user's responsibility to validate that such chemical will not affect the performance of T6 products.
2. Any T6 or T4 products can be intermated with each other.
3. Interconnection of different connector types/brands with T6 is not allowed.
4. Recycling and all other types of comparable disassembly of the above mentioned products have to be performed by a qualified waste management company, in compliance with national and local waste management regulations.

CS Power Systems Inc.

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